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Abridged
Decimal Classification

DEWEY.



LIBRARY SCHOOL

"To learn to classify is in itself an education" — ALEX. BAIN

ABRIDGED

Decimal Classification

and

Relative Index

for libraries, clippings, notes, etc.

Edition 2

By

Melvil Dewey MA LLD

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Forest Press

Lake Placid Club N Y

1912

Library school

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Publisher's Note

The simplified spellings used are strongly recommended for general adoption by both the American and English Philological Associations, including nearly all the prominent scholars in English now living. The publishers regret the prejudice that certain readers will feel against these changes, but after careful study of all objections urged against them, they find the weight of scholarship and reason wholly in their favor, and feel compelled to bear a share of the prejudice which some must endure before the great benefits of a rational orthography can be secured.

Full information on request from Simplified Spelling Board, 1 Madison av., New York.

Abridged Decimal Classification^a

EXPLANATION

Before beginning to use the classification at least the paragraphs in large type should be carefully read. Those interested will find still fuller explanation in the smaller type.

This abridgment is made in answer to a strong demand for a short form adapted to the needs of small and slowly growing libraries. They wish short class numbers, but it is a mistake to assume that they will have only works on general subjects. Even the smallest library is likely to have a few books or pamphlets on the most specific topics of the omitted subheads, and as these minor subjects will differ in each library, it is obviously impossible to make any abridged classification that will meet every want. Cases will certainly arise that can be met only by the unabridged classification, which aims to include all subjects treated in books, pamphlets, or articles.

(See also Relativ subject index, p. 7; Use of index, p. 13.)

Change from short to full form. These short (three-figure) forms can be changed to the full class numbers at any time without other alteration than adding extra figures to those here given.

Plan. In this classification the field of knowledge is divided in nine main classes, numbered 1 to 9. Cyclopedias, periodicals, etc. so general in character as to belong to *no* one of these classes, are marked 0 (naught), and form a tenth class. Each class is similarly separated into nine divisions,

^a The confusion and annoyance to the many users of this system caused by printing unauthorized variations have forced the publishers to insist strictly on the protection afforded by the copyright laws. Every library and individual user has, however, entire freedom to make such variations as he thinks he needs, under the simple restrictions found necessary to protect the rights of others as explained on page 19, Letter notations for changes.

general works belonging to *no* division having 0 in place of the division number. Divisions are similarly divided into nine sections, and the process is repeated as often as necessary, but in this abridgment 0 is not used beyond the third figure. Thus 512 means Class 5 (Natural Science), Division 1 (Mathematics), Section 2 (Algebra), and every Algebra is numbered 512. This class number, giving class, division, section and sub-section, if any, is applied to every book and pamphlet belonging to the library.

Where 0 occurs in a class number, it has its normal zero value. Thus a book numbered 510 is class 5, division 1, but *no* section; i. e. the book treats of division 51 (Mathematics) in general, and is limited to no one section, while geometry which is so limited is marked 513; 500 indicates a treatise on science in general, limited to no division. A naught occurring in the first place would in the same way show that the book is limited to no class; e. g. a general cyclopedia which treats of all nine classes.

The books are arranged on the shelves in simple numerical order, all class numbers being decimal. Since each subject has a definite number, all books on any subject must stand together. These tables show the order in which subjects follow one another. Thus 512 Algebra precedes 513 Geometry, and follows 511 Arithmetic.

Summaries. The first page of tables shows the 10 Classes into which all topics are divided. The next page shows the nine Divisions of each of the 10 classes, and is useful as a bird's-eye view of the whole scheme.

Tables. Following these two summaries is the abridged classification, which repeats, in proper order, all the classes, divisions, and sections, with such sub-sections as are used in this abridgment. Synonymous terms, examples, brief notes, dates, and various catch-words are often added to the simple heads for convenience of users, who thus get a fuller and clearer idea of the field which each number covers. Therefore all references to numbers should be looked up in the tables; never in the summaries, which are really only a table of contents of the complete tables.

Choice and arrangement of heads. The selection and arrangement of heads can not be explained in detail for want of space. In all the work, philosophic theory and accuracy have been made to yield to practical usefulness. The impossibility of making a satisfactory classification of all knowledge as preserved in books, has been appreciated from the first, and theoretic harmony and exactness have been repeatedly sacrificed to practical requirements.

Sequence of allied subjects. Wherever practicable, heads have been so arranged that each subject is preceded and followed by the most nearly allied subjects, and thus added convenience is secured both in catalogs and on shelves; e. g. Building (690) follows Mechanic trades (680) at the end of Useful arts, and Architecture follows near the beginning of Fine arts.

The student of Biology (570) finds fossil life or Paleontology (560) before, and vegetable life or Botany (580) after, this followed in turn by animal life or Zoology (590), ending with Mammals (599); while Useful arts (600) begin with human Anatomy (611) under Medicine, thus giving a regular progression from the fossil plant thru the vegetable and animal kingdoms to the living man.

Coordination. Theoretically, the division of every subject into just 10 heads is absurd. Practically, it is desirable that classification be as minute as possible, without use of added figures; and the decimal principle, on which our scheme hinges, allows 10 divisions as readily as less.

This principle has proved wholly satisfactory in practice, though apparently destroying proper coordination in some places. In the full classification this difficulty is entirely obviated by the use of another figure, giving nine sub-sections to any subject of sufficient importance to warrant closer subdivision. In history, where classification is made chiefly by countries, a single figure is added, as in the other classes, to give a tenfold geographic division. Wherever naught followed by another figure is added, it indicates a division into periods.

As all history is by countries, and as close geographic subdivisions are needed for local history and various other uses, the rule is whenever the same number is subdivided both geographically and by periods, to insert naught before the time or period figure; the 0 showing a change from geographic to period division, e. g. 942.05 England in time of the Tudors.

As in every scheme, many minor subjects are under general heads to which they do not strictly belong. In some cases, these heads are printed in a distinctive type; e. g. 429 Anglo-Saxon, under English philology. The rule has been to assign these subjects to the most nearly allied heads, or where it was thought they would be most useful.

Catch-titles. In naming heads, strict accuracy has often been sacrificed to brevity, for short familiar titles seemed more important than that the heads given should express with fulness and exactness the character of all books cataloged under them.

Form distinctions. The classification is mainly by *subject* or *content* regardless of form; but a form distinction for general treatises, which is found practically useful, is introduced at the beginning of the class, where the first numerals would otherwise be unused. These form distinctions apply only to general treatises, which, without them, would have a class number ending in two naughts.

Thus, in Science there are many compends, dictionaries, essays, periodicals, and societies, treating of Science in general, and so having 0 for the division figure, but treating it under different forms, and, therefore, divided into sections according to this form: 501 for philosophy or theories of Science, 502 for compends, 503 for dictionaries. This treatment is as nearly as practicable uniform in all classes. Brewer's *Reader's handbook* is 803, the first figure being 8 because the book is clearly on literature; the second figure 0, because limited to no division of class 8; and the third figure 3, because the book is a dictionary.

Mnemonics. Arrangement of heads has been sometimes modified to secure mnemonic aid in numbering and finding books without the index; thus China has always the number 1. In Ancient history, it has the first section, 931; in Modern history, under Asia, it has 951. Similarly the Indian number is 4; Egyptian, 2; English, 2; German, 3; French, 4; Italian, 5; Spanish 6; European, 4; Asian, 5; African, 6; North American, 7; South American, 8; and so for all divisions by languages or countries. Italian 5, for instance, is in 035, 055, 065, 450, 850, 945, and many others. This mnemonic principle is specially prominent in Philology and Literature, and their divisions, and in *form* distinctions used in the first nine sections of each class. Philosophy, methods, or theory occurring as a head is always 1; dictionaries and cyclopedias, 3; essays, 4; periodicals, 5; associations, institutions, and societies, 6; education, 7; polygraphy or collections, 8; history, 9. In numerous cases several minor heads are group together as Other, always numberd 9.

While Italian is always 5, 5 is by no means always Italian. Grammar is 5, Periodicals are 5, Asia is 5, Oratory is 5, etc. Even were it possible, to limit 5 to Italian would waste numbering material, and results would not justify cost. The purpose is to give practical aid, not to follow a fanciful theory. A cataloger marking a German grammar, remembers that all Philology begins with 4, and, as German is always 3 and grammar 5, he knows the number must be 435. Italian (5), poetry (1), is as plainly 851 with no danger of being mistaken for "poetry of grammar" or "theory of Asia," because the numbers also have that meaning. This feature is an *aid*, not the regular method, and in all doubtful cases one refers at once to index or tables. Suggested difficulties are usually creations of ingenious theorists and not an outgrowth of practical experience in using this plan.

Wherever practicable, this mnemonic principle is used in subdividing sections. 558, Geology of South America, is subdivided by adding the *sections* of 980, History of South America. Geology of Brazil then must be 558.1 : mnemonically the first 5 means Science; the second 5, Geology; 8, South America; 1, Brazil. Any library attendant or regular user of the scheme recognizes 558.1 at a glance as Geology of Brazil. This mnemonic feature is of great practical utility in numbering and finding books without catalog or index, and in determining the character of any book simply from its call number. The advantage of mnemonic correspondence has however never outweighed any claim of greater usefulness. In many cases choice between numbers was hardly perceptible; e. g. whether in Philology the order should be French, Spanish, Italian, or French, Italian, Spanish. In such cases, preference was given to mnemonic numbers, and 20 years' experience has now proved this wisest.

Relativ subject index. Following the tables is the most important feature of the system, an alphabetic index of all the heads, which refers by class number to the exact place of each in the preceding tables.

The index might be made on any of the various dictionary plans. The simplest was however chosen. Only short heads are given with a brief indication in doubtful cases of the point of view taken in assigning the class number.

This index is designed to guide both in numbering and in finding books. In assigning numbers, the most specific head that will contain the book having been determined, reference to that head in the Index gives the class number which should be assigned. Conversely, in finding books on any given subject, reference to the Index gives the number under which they are to be sought on the shelves, in the shelf list, or in the subject catalog. Whenever a subject not in this index comes up, it should be looked up in the full index so that the classification may be uniform with that of other users.

The index aims to give similar or synonymous words, and the same words in different connections, so that any person of intelligence will

hardly fail to get the right number. A reader wishing to know something of the tariff looks under T, and, at a glance, finds 337 as its class-number. This guides him to the shelves, to all the books and pamphlets, to the shelf list, to the subject catalog on cards, to the index of books charged at the loan desk, and, in short, in simple numeric order, thruout the whole library to anything bearing on the subject. If he turns to the tables, he will see that it means class 3, Sociology; division 3, Political economy; section 7, Protection and free trade; but the number alone is enough to classify the book or to find it, for either cataloger or reader. If he had lookt under P for protection, or F for free trade, or D for duties, or C for customs, or under any other leading word relating to his subject, he would still have been referd to 337.

Had he lookt for "railroad" he would have found after it 13 separate entries, each preceded by a catchword indicating the phase of the subject in the scheme. A book on railroads may be a treatise on the desirability of government ownership, control, etc., and then is clearly a question of social science; or it may be a practical handbook for an employee explaining business methods of railroading, running trains, handling freight, etc., when it is as clearly one of the useful arts. The cataloger knows to which of these heads his book belongs, and the reader knows which phase of the subject he wishes to examin. Moreover, the 3 and 6 beginning the numbers indicate clearly the character of each class. But even if the significance of these figures were entirely disregarded, no confusion would result; for, on consulting either of the numbers in the catalog, in the tables or on the shelves, the difference would be clearly seen.

What the relativ index includes. This index includes also, as far as found, all synonyms or alternativ names for the heads, and many other entries that seemd likely to help a reader find his subject readily. Tho the user knows just where to turn to his subject in the tables, if he consults the index he may be sent also to other allied subjects; where he will find valuable matter which he would otherwise overlook.

Most names of countries, towns, animals, plants, etc. have been omitted, the Index containing only those which are in the tables; e. g. it can not enumerate all the species of trilobites, but when the classifier has found from the proper reference books that Remopleurides is a trilobite, the index will send him to 565 and he can classify his monograf on that subject.

Relativ location. Economy and simplicity calld not only for the subject index, but also for some plan of consolidating the two sets of marks heretofore used; the one telling

of what subject a book treats, the other where the book was shelvd. By relativ location and decimal class numbers, the simple arabic numbers have been made to tell of each book and pamphlet, both *what* it is, and *where* it is.

In arranging books on the shelves, absolute location by shelf and book number is wholly abandond, relativ location by class and book number being one of the most valuable features of the plan.¹ In finding books, the class and book numbers on the backs are followd, the upper being the class and the lower the book number. (See p. 17, Book numbers.) The class is found in its numeric order among the classes, just as the shelf is found in the ordinary system. Shelves are not numberd, as increase of different departments, opening of new rooms, and any arrangement of classes to bring books most circulated nearest the delivery desk, will at different times bring different class numbers on any given shelf. New books, as receivd, are numberd and put in place, in the same way that new titles are added to the card catalog.

Not only do all the books on any given subject stand together, no additions or changes ever separating them, but the most nearly allied subjects precede and follow, they in turn being preceded and followd by other allied subjects, as far as practicable. Readers not having access to the shelves find short titles arranged in the same order in the shelf list, and full titles, imprints, subject and cross references, notes, etc. in the subject catalog.

Parts of sets, and books on the same or allied subjects, are never separated as they are sure to be, sooner or later, in every library arranged on the old plan, unless the great and needless expense of frequent rearrangement and recataloging be incurd. In this system both class and book numbers remain unchanged thru all changes of shelving, buildings, or arrangement.

Among hundreds of points raisd by librarians, as to its practical workings and usefulness, the only one in which it is

¹For full explanations regarding forms of book numbers best used with this scheme of classification, see p. 17, and *Library notes* no. 11.

not shown to be equal or superior to the old systems is that in this relativ location a book which this year stands, for instance, at the end of a certain shelf, may not be on that shelf at all another year, because of uneven growth of the parts of the library. This slight objection, however, inheres in any system where books are arranged by subjects, rather than by shelves, windows, doors, and similar non-intellectual distinctions.

Sizes on shelves. Most libraries have abandoned close distinction of sizes. It is true that this distinction saves a little space, but at far too great a cost ; for every distinction of sizes makes a parallel classification. If books are grouped in five sizes, one must look in five places before he can be sure of having seen all the books on a given subject.

It is better to shelve octavos and all smaller books together in one series, and arrange in parallel libraries only quartos and folios, which are too large to stand on the regular shelves, showing the series in which any oversize book is put, by a size letter prefix to the book number ; e. g. 749 qB, to show that book B on Artistic furniture is too large for the regular shelves, and so is placed in the "q" or quarto series. Another way is to use a wood or pasteboard dummy, to show the location of a book not in its regular place. But, however solved, there is no conflict between the size problem and the *Decimal classification*. (See also *Library notes* no. 11, vol. 3, p. 428-29.)

CATALOGS

Any system of catalogs may be used with this scheme. But the two essentials of even the simplest system are the author (or preferably name) catalog and the shelf list. The chief use of the system for catalogs is for the shelf list and for the class catalog on cards.

Name catalog. In the name catalog on cards, arranged strictly by names of authors and of persons or places written about, the class number holds a subordinate place, yet is constantly useful. If printed, it appears in a single column as in the relativ index, and, where there is no subject catalog, one can rapidly pick out the books on any desired topic by glancing down the column for the class number wanted.

Shelf list. The class number makes the list the most useful form of brief subject catalog. Each page gives in columns accession number,

author's name, and brief title of every book in the library on the specific subject bearing that class number.

Subject catalog. In the card catalog of subjects the classification is mapped out above the cards by projecting guides, making reference almost instantaneous. Subjects are arranged in the 1, 2, 3 order of their decimal subject numbers exactly as in the classification tables, and the cards of each subject are then further arranged alphabetically by authors.

The printed subject catalog on this plan is also the most compact and satisfactory in use. Under each class number are given the resources of the library on that subject, the heading giving for convenience the name as well as the number of the subject; e. g. "513 Geometry." General notes are printed in finer type under general heads, and an index at the end shows where to open the book to find any topic. As class numbers are put in place of page numbers, this index serves for any catalog, list or library arranged on this plan.

Dictionary catalog. A dictionary card catalog may be as readily used with this system as with any other, but its advantages are largely supplied by the subject index, which is in itself a skeleton dictionary catalog. If however the subject card catalog is classed, the alphabetic index referring to class numbers makes the single set of cards serve both as classed and dictionary catalog. Instead of giving the book titles under each head, the index number refers to all those titles simply and directly.

The advantages of the dictionary and classed catalogs are therefore united, not by mingling them together, and so losing much of the simplicity of one and as much of the excellence of the other, but by really using both, each with its own merits.

SUGGESTIONS TO USERS

In referring to tables, hold the book in the right hand and turn with the left. The class numbers then show very plainly on the left margin and reference is greatly expedited. Some prefer to hold the book in the left hand, but in any case the eye should follow the left margins wholly.

Numeration. In thinking or speaking of the class numbers, to avoid confusion *always divide at the decimal point, and name it*; e. g. read 942.9, "nine forty-two, point nine," never "ninety-four twenty-nine." If "point" were omitted the ear might readily interpret 270.2 as 272, while "two seventy, point two" can never be misunderstood.

Number of figures used in class number. In very small collections two figures might do till growth required further

division; but it is economy, and saves handling the books a second time to use at least three figures at first, even in the smallest collection.

Whether there are one or 1,000 books on any topic, they take no more space on the shelves if classed minutely, and the work is done once for all. When large accessions come, even if a century later, this number will not have to be altered. A library having only 20 books on economics should use the full scheme, for the whole 20 would go on a single shelf, and take no more room, and the index would refer more accurately to what was wanted. The number of books you have on any subject has in this system no special weight. In a relative location, any number of consecutive topics without a book yet in them, waste no space on shelves or in catalogs; the numbers are merely skipped. This plan not only does no harm, but has the considerable negative value that looking for the number and finding it blank or skipped, shows that you have nothing on the subject, — a piece of information second in value only to finding something, for one need no longer search.

The practical objection to close classing is that it gives a longer number to charge in a lending library. In a reference library full sub-sections should be used. Where a short number is imperative, it is well to give the full class number on another part of the book plate, not to be used in charging, but as a guide to the contents of the book. Thus when a classifier has once examined a book, and found out just what it is about, the record is preserved for the benefit of others.

Familiarity with tables. Get a general knowledge of the scheme by learning the 10 main classes (you will soon know the 100 divisions also without special study), so that you can tell to what subject a given number belongs from its first figure without referring to the tables. Specific knowledge of subdivisions will come gradually, but rapidly, from use. Using the tables alone, and then always verifying your result by the index, you will more rapidly acquire knowledge of the classification and facility in its use. To do this decide first to which of the 10 classes the subject belongs; next, take that class as if there were no other, and decide to which of its 10 divisions the subject belongs; then, in the same way, select section and sub-section, thus running down your topic in its grooves, which become ten-fold narrower at each step.

Use of index. *As a check against error, use the index freely even tho familiar with the scheme.*

By consulting the index of the complete classification, subjects omitted in this abridgment will be found assignd with allied subjects to the proper head. Reference to this full subject index will decide at once most doubtful points, and no topics omitted from the abridged tables and index should be numberd without such reference, as otherwise great annoyance may result from finding that the number used conflicts with that on the great mass of printed and ms catalogs, cards, indexes and other bibliographic aids arranged by this system.

Subject of a book. To determin the subject of a book consult :—

1 **The title**, since it is generally chosen to show what the book is about. But, as many titles are misleading, never class from title alone, but always examin also

2 **Table of contents**, which is the best guide to the true subject. If there is no table of contents read

3 **Headings of chapters**, or marginal topics.

4 **Preface**. Unless already certain, glance thru this to catch the author's point of view, and verify impressions gaind from title and contents.

5 **Reference books**. If preceding means fail, consult reliable bibliografies, clast and annotated catalogs, biografic dictionaries, histories of literature, cyclopedias, reviews, etc., for information about the character of the book.

6 **Subject-matter**. If the five shorter methods above fail, examin the subject matter of the book itself, and if still in doubt, to avoid mistakes, put aside on an " under consideration " shelf till you can examin more thuroly or consult

7 **Specialists**. Experts, competent to define their true subject and relation, are usually glad to examin any new books in their departments enough to class them. Old ones they know where to put already.

After deciding what the book is about, find this subject in the tables, either thru the index or by using the tables directly, which for the beginner is a longer process, seldom to be trusted without subsequent reference to the index ; e. g. Pollock's *Land laws* might naturally be clast from the

tables alone as "333, Land ; ownership ; rights ; rent," which seems exactly to fit this book. The index, however, shows two numbers, both referring to land laws, but from different points of view ; viz, 347, legal, and 333, economic. The object of this book, as seen in the preface, is to give a popular presentation of English statutes pertaining to land-holding, not to discuss the history and theory of land laws from the economist's point of view ; and it should be classed "347, Realty," which might have been missed but for the index.

Assigning class numbers. 1 Practical usefulness is the chief thing. Put each book under the subject to the student of which it is most useful, unless local reasons "attract" it to a place still more useful in your library. See p. 16, § 7.

2 The *content* or the real subject of which a book treats, and not the *form* or the accidental wording of the title, determines its place. Following this rule, put a philosophy of art with Art, not with Philosophy ; a history of mathematics with Mathematics, not with History ; for philosophy or history is simply the *form* which these books have taken. Their true content or subject is Art or Mathematics, and to the student of these subjects they are most useful.

3 Always remember that the question is not where one would probably look to find a particular book, but under what subject is the book of greatest value ; e. g. it is of little consequence whether "one would be apt to look" under 595 for Darwin's *Formation of vegetable mould*, but of much consequence that one studying earthworms should find that book in "595 Worms," since it is chiefly valuable as a study of the habits of earthworms. Any one wanting that special book should look for it in the name catalog under Darwin.

4 Assign every book to the most specific head that will contain it. This will vary in different libraries according to the number of figures used, e. g. the specific head for "compulsory vaccination" in the full tables is 614.4738 ; but in a library using only three figures, the most specific number possible is 614, which includes everything on public health.

If there are only 10 books on a given subject it is useful to have them still farther grouped by topics or form of treatment, for otherwise, they have only accidental order which is of service to no one. If a reader wishes a specific subject, he is sent instantly to the exact place by the subject index; if, however, he wishes a specific book, he should go, not to the shelves, but to the name catalog, where he can find its place quickest. If he wishes to study the library's resources at the shelves, he will be *greatly helped by close classing*.

A library recently adopted the plan of putting all books of a division together, if they had but few; e. g. all mathematical works were marked 510. It took just as many figures, cost just as much labor in most cases, and, if a man wanted the one calculus in the whole library, he had to search through the 150 volumes in 510, when otherwise he would instantly have found it standing alone as 517.

A teacher showing his pupils the material on any subject, if there are only 20 books, would surely put together those covering the same points, even if there were but two. Much more should librarians group closely their greater collections, that readers may gain something of the advantages of an experienced guide.

This gives every specialist his own distinct library. If a student of science in general, he is sent to class 5; if his department be zoology, his library is 59; if his specialty is shells, he finds all works and references on that subject in library 594. Whether a specialist needs it or not, every subject being a library by itself shows resources and wants as no catalog can show them. A catalog can not be made to take satisfactorily the place of handling books themselves. This advantage weighs most in a college or society library, where many go to the shelves; but even if librarians only are admitted, close classification is worth its cost in the added power it gives.

5 The predominant tendency or obvious purpose of a book usually decides its class number at once. Still a book often treats of two or more different subjects. In such cases assign it to the place where it will be most useful, and make references under all subordinate subjects. Give these reference numbers both on book plate and subject card, as well as on reference cards.

It is one of the marked advantages of the plan that these references, notes, etc., may be added from time to time as found convenient. It is necessary at first to find only the predominating tendency of the book in order to classify it. Subject references are added whenever found necessary.

Add these numbers indicating more closely the character of the book as rapidly as possible, and invite all specialists to call the librarian's attention to every desirable subject reference noticed in their reading. These numbers take little room, are easily added, and in most cases are very valuable.

6 If two subjects have distinct page limitations, class under the first, and make analytic reference under the second. But if the second is decidedly more important or much greater in bulk, class under that, with reference under the first. Always put a book under the first subject, unless there is good reason for entering it under another.

7 Consider not only the scope and tendency of each book, but also the nature and specialties of each library.

Any subject of which a library makes a specialty naturally "attracts" allied subjects. This influence is strongest in minute classification. To admit this variation, many subjects in the present scheme have two or more places, according to these different sides; e. g. a book on school hygiene, which a medical library puts under 613, has also a place in 371, where the educational specialist requires it.

8 If a book treats of a majority of the sections of any division, give it the division number, instead of the most important section number with subject references. Unless some one section is so prominently treated as to warrant placing the book in it, class a book on four or more sections under the division number; e. g. class a volume on light, heat, and sound, under the head most fully discussed, and refer to it from the others; but if it treats also of mechanics, class as 530, or general physics, tho no mention be made of hydrostatics, pneumatics, electricity, magnetism, or molecular physics.

9 To secure uniformity, make notes for future reference of all difficulties and decisions; for it is even more important to put books on the same subject together than to put them in the absolutely correct place. These notes should be written either on the broad margins of the classification tables, or on an interleaved copy, or on standard-size slips arranged by class numbers, like the class catalog. (See also p. 23, Index rerums.)

10 Keep collected works, libraries, etc. together, and assign them like individual books to the most specific head that will contain them; or assign to the most prominent of the various subjects on which they treat, with subject references from the others; or separate and class the parts as independent works.

This last practice constantly grows in favor, and many librarians now largely disregard uniform bindings and "series" lettering, and, unless contents of volumes are so connected that they can not be separated, class each under the most specific head that will contain it.

11 Class translations, reviews, keys, analyses, answers, and other books about specific books with the original book, as being there most useful.

Book numbers. With this abridged classification the following rough alfabetic arrangement of books in each class by author's surnames is recommended:

Keep together names beginning with the same letter by marking books by the first author under any letter with the initial of the author's surname; books by the second author under that letter with the author's initial followd by 1. Use the same initial and figure for all books by the same author in any one class, and distinguish different books by adding lower-case letters. E. g. if in class 942, History of England, the first books under G were Green's *History of the English people*, Gardiner's *Outline of English history*, Guizot's *History of England* and Green's *Short history of the English people*, and were receivd in the order named, the book number of Green's *History* would be G, Gardiner's *Outline* would be G1, Guizot's *History* G2, and of Green's *Short history* Ga.

In order to keep lives of the same person together book numbers in individual biography should be assignd from the name of the person written about instead of from name of writer. These biografies are markt B and arranged in a single alfabetic series.

For fiction, omit the class number altogether and alfabet by authors' surnames. Both fiction and biography should be numberd by the author table devised by C: A. Cutter, and different books by the same author distinguisht by adding a, b, c, etc. to the Cutter number.

For a full discussion of book numbers see *Library notes* no. 11, which is wholly given up to an explanation and tables of the systems which have been found most useful.

VARIATIONS PRACTICABLE IN ADJUSTING TO SPECIAL LOCAL REQUIREMENTS

Some users assume that adoption of the *Decimal classification and relative index* carries with it other parts of the general system which the author has used at Amherst, Wellesley, or Columbia colleges or in the New York state library. In fact, the plan in each of these libraries differs somewhat from all the others, and many of the more than 300 libraries now using this system have adopted still other variations; for the special constituency, circumstances, and resources of each library must be considered in deciding what is best for it. This decision should be made by one familiar, not only with the library and its needs, but also with all methods of any merit and the comparative ease and cost of introducing them into any given library.

Cautions. Having decided to adopt the system in its decimal form as worked out and printed, it must be determined whether to adopt certain variations, noted in 1-4 below as practicable, and in some cases useful and desirable. The inexperienced user is very likely to feel entirely competent, after once reading the tables (in fact, without reading more than a single page regardless of its bearings on hundreds of other places, and without so much as looking at the author's explanations), to institute a series of "improvements." Experience proves that nothing could be more disastrous. It seems a simple matter to put a topic a line higher or lower, but in some cases this may affect over 100 different entries in the index, and there is no possible way to be sure of correcting them except by examining each of thousands of heads. Any changes except as authorized under the next heads, would conflict with the full tables, so that closer classification, if required later by the growth of the library, could be made only by changing whole numbers instead of by simply adding extra figures. Care has been taken that no number in this short form should vary from that in the full tables; e. g. instead of printing as the number for Ireland only 941.5, the numbers 941.6-.9 are given for the different groups of counties, just as in the full tables. If the numbers for these counties were designated by adding figures to 941.5, the closer classification would be omitted in this edition, for small libraries are not likely to have enough on Ireland to make subdivision necessary. But if the books on the various Irish counties were all numbered 941.5 the number would disagree with those on all printed catalog cards and cooperative lists and, if the change to full class numbers should ever be made, the last figure on every book and on every record of that book would have to be altered, while nothing would have been gained originally in brevity.

Frequently proposed changes, carefully studied out and submitted as improvements, are shown by our old records to have been adopted and used in the exact form proposed, till considerations which had not been foreseen forced us to change to the form as printed. Even after years of

experience one is not safe in pronouncing on an apparent improvement without consulting the voluminous records of previous experiments. Even those who have used the system longest have sometimes been misled into adopting changes which on trial they were compelled to reject, going back to the original form at the cost and confusion of two changes.

The user who adopts the printed form avoids the criticism sure to be aimed at any possible scheme. The moment he makes one "improvement" he must defend all the heads or alter them to suit each critic. Much time is saved by saying that the scheme is used as printed, and blunders are the author's, not the user's. The cooperation of those interested is invited in eliminating any errors found either in tables or index.

The following brief notes show the most important variations found practicable in the "relativ index system," oftener called the "Decimal or Dewey system."

I Letter notations for changes. To protect other users from confusion, the publishers insist, as the copyright entitles them to, that these numbers shall not be printed with changed meanings without some clear indication of the fact in the number itself. If the reasons that led us to adopt the form printed are not conclusiv to another, we wish to remove any obstacles to his use of the system with such changes as shall satisfy him. This can be readily done by using a letter, or some other character than the 10 digits, to mark changes, e. g., if you wish a different set of subdivisions under 630, make it out to suit, and number it 63a, 63b, 63c, etc. It will arrange in its exact place and exact order without difficulty, and no other user of the system will be confused by the numbers. In the index, cancel the 1, 2, 3, etc., you have discarded, and write in the a, b, c, etc., adopted. **Whenever you use our exact numbers, use also our meanings for them exactly as indext.** If you wish to change a head from one place to another, cancel it where it stands, and *leave that number blank* in the tables. Then insert the head in its new place by the use of a letter instead of the figure omitted as above, as if it had never been in the tables.

This plan of introducing letters or other symbols wherever each user pleases, will give all needed freedom to the personal equation and desire for originality, and meets all real wants for peculiar classification in peculiar cases.

Fiction and juvenils. In some cases it is usually best to modify class numbers by letters as above. In popular libraries half the circulation is often fiction. A great saving is effected here by omitting the class number entirely, as directed in these abridged tables, and using merely the book number, it being understood that *no* class number means fiction. After fiction, their great circulation makes juvenils a good place to economize, if they are kept separate. The

books are classed exactly as if for adults, then a J is prefix to show their special character. This gives J alone as the class number for juvenil fiction, and J942, for a child's history of England. These are then arranged in a parallel library by themselves, so that J942 comes between J941, juvenil history of Scotland, and J943, juvenil history of Germany.

If at any time it seems desirable to abandon the separate J library, it can be done without altering a number, by distributing the J books among the regular classes, either ignoring the J entirely, or preferably by putting all the J books by themselves at the end of each class number.

There are thus three methods: 1, to have a separate J library; 2, to have the J books by themselves at the end of each class number; 3, to have the J books in alfabetic order among other books on the same subject. In this last case the J is useful only to call attention plainly to their juvenil character.

The same marking is used for all these plans, and one can be changed into the other by simply distributing the books the other way, and telling the attendants that it has been done. Juvenil books go with adult books of the same class, unless a special J library is made containing all juvenils.

Biografy. Similarly it is recommended that the large class of individual biografy, as to the best treatment of which there is great difference of opinion, should be marked B in place of the subject number. See p. 15, Book numbers; and tables "920 Biografy."

Instead of the plan printed in the tables, biografy may be distributed as far as possible among the subjects it illustrates, leaving, of course, under B lives not bearing specially on any subject; e. g. all lives of musicians go under 780 and its subdivisions, the life of Wagner being 782. Even in this arrangement it is better to indicate that it is biografy, putting B before the class number; i. e. mark Wagner's life B782. (See also Book numbers, p. 17.)

Parallel libraries. This treatment of fiction, juvenils, and biografy illustrates the principle of parallel libraries. Its other chief application is for reference and language collections. Some libraries have a constituency not reading English, and so need a parallel library in German, or Swedish, or French, etc. This is most easily made by simply prefixing the initial of the language to the class number. The German parallel library is

made by simply putting all G's together and arranging by class numbers. This plan has proved very satisfactory in actual use.

To separate books most needed for reference, mark R before class numbers, and arrange the books together, as an R library. When the books are to go into the general collection again, a line can be drawn thru this letter. In the same way it often happens that a general private library is given on condition that it be kept together; e. g., the Phoenix library of Columbia college. This has P prefix to the class number, and thus is a parallel library by itself. An initial is better in such cases than a * or similar mark, since the initial helps the memory and is just as brief. The same plan applies, of course, if the library has an "inferno" for books not used without permits, or more distant rooms where books worth keeping but seldom called for can be arranged in a parallel storage library.

Combining language and literature. The same principle can be applied also in combining each language with its literature, if it is preferred to abolish the class, Philology, and make it simply an appendix to Literature. The reverse would hold true if a philologist wished to abolish Literature and make it an appendix to Philology; e. g. using 82p for English philology, and adding philology subdivisions, English dictionaries would become 82p3, English grammars 82p5, etc., and arrange either just before or just after English literature, 82o, 821, etc. For a better plan see below, Broken order.

2 Broken order. Another common and often desirable variation for shelf arrangement is to break the sequence of the numbers, in order to get books most used nearest the delivery desk. The strict theory is to keep the whole 1000 numbers in exact sequence; but a higher rule to be obeyed everywhere is to sacrifice any theory for a substantial gain. Practically it will seldom happen that it is not best to break the order of the classes. Often divisions are best arranged out of numeric place; e. g. 520 Astronomy may be wanted in a room accessible at night; fiction, juvenils, and biography are always wanted near the delivery desk in a public library, and in strict order are as likely to come at the most distant point. Various local reasons may make a broken order desirable. There need be no hesitation in adopting it if enough is gained, but there should be charts clearly showing where each division starts; e. g. after 430 "Preceding 830;" after 520 "In observatory." The rule is to specify where books may be found that have been entirely removed from the general library arrange-

ment. The page of 100 divisions is reprinted on cards with wide margins for just this use. Opposit each division is markt its beginning on the shelves, and it is easy to vary the order as much as necessary, tho of course the nearer the divisions run in regular order 1 to 99, the easier it is for a stranger to find his way about. Wherever variations from the printed order are made, a wood or cardboard dummy in the regular place should have markt on its side the present location of the subject removed; e. g. "491 will be found preceding 891."

This broken-order plan is best for bringing together the philology and literature of each language without altering numbers or prefixing any letter. Let 420 be shelvd just ahead of 820, 430 ahead of 830, and so for all languages, making the general note that all 400's are shelvd just ahead of the corresponding 800's.

3 Pro and con division of topics. In many cases it is very useful to separate the books on a topic with strongly markt sides, so that either set of views and arguments may be seen by itself; e. g. 337, Protection and Free Trade. The number alone may be used for general works, giving facts, etc., and advocates and opponents may be separated by + and — for positiv and negativ, or by p and c, the initials for pro and con, words which, tho short, are too long for a circulating library to charge. In reference libraries, on cards, etc., most will prefer to write out *pro* and *con*, to distinguish the two groups. The order on the shelves is, of course, alfabetic, viz 337, 337^p, 337^c; or if + and — are used, the usual order is followd: +, —. These letters or signs should be written above or prefixt to the class number, not written 337^c, 337—, etc., for the space at the end should be left free for other figures, if decided later to class more closely.

4 Unassignd numbers. The one and two figure numbers 1–99 are available for special uses without confusion with tables or index, for initial 0 is printed in the tables and index for all numbers before 100. In classification it sometimes happens that the first two figures are obvious at a glance, but time must be taken to determin the third. It is convenient to write these first figures, but if a mathematical book receives its first two figures (51), this unfinisht number is liable to be confused with the two-figure number 51. This danger may be largely avoided by writing the decimal point after a blank; e. g. 51 ., to show that a figure is omitted.

These four notes suggest the range of variations that may be made in the *Decimal classification* and illustrate its adaptability to widely different conditions. For book numbers which decide the order of material after it is groupd into its final classes, see page 17 and *Library notes* no. 11.

OTHER USES

Tho the system was devised for library catalog and shelf arrangement, 38 years' use has developpt many new applications; but the essential character of the plan has remaind unchanged from the first. Nearly every administrativ department feels directly the great economy, and in every field of literary activity this classification has been found a labor-saving tool, whose practical usefulness has exceeded the most sanguin hopes of its early friends.

Bookstores. The plan is a great convenience to both dealers and customers, when applied to the miscellaneous stock of a bookstore. Very often a much-wanted book, specially if not recently publisht, is reported "not in stock," when such an arrangement by subjects would have revald its place at once. Specialists often find on the shelves books that they would never have orderd, but are glad to buy after examination. Experience proves it a profitable thing for a dealer to arrange his books so that each person may find those in which he is interested without examin- ing the entire stock.

Scrap books. The plan has proved of great service in preserving newspaper clippings. Scrap sheets of uniform size are used, with the class number of the subject written in the upper corner of the front edge of the page, and clippings are mounted on the sheet as in a common scrap-book. When one sheet is full, another is inserted at the exact place. Thus perfect classification is kept up without blank sheets, and at the smallest outlay of money and trouble. This "L. B. scrap book" is for most persons the best form. These sheets are then arranged numerically like the subject card catalog, the sheets of each class being farther arranged, when desirable, under alfabetic subheads. Scraps thus mounted are shelvd either in manila pamflet cases or in patent binders.

Index rerums. These are best made on the standard P size (7.5 x 12.5 cm), card or slip. Long study and experience prove that the stock L200^a is best for private indexes, etc. It costs only half as much as the Br 400,^a which is largely used for public library catalogs, takes only half the room, and gives great satisfaction.

Where durability and convenience of handling are less important than the strictest economy, common heavy writing paper may be used; but most novices greatly diminish the usefulness of the card system by using ordinary machine-cut cards or slips which vary in hight so much as to make quick and accurate manipulation impossible. The extreme variation that should be tolerated is 1 millimeter or $\frac{1}{32}$ in. This will be understood by placing a 7.4 cm card between two 7.5 cm cards. The fingers make a bridge across the taller cards and the lower one is missed entirely in rapid turning. Cards must be cut by accurate gages or they will lose

^a This is a catalog number of the Library Bureau. L200 means linen ledger paper of which a square meter weighs 200 grams. Br 400 means bristol weighing 400 grams to the square meter.

half their value, and in many cases make it necessary to recopy the material at a cost tenfold greater than to have thrown away the imperfectly cut cards or slips.

The class number is written in the upper left corner, any alphabetic subject head follows at the right, and notes fill the card below. The cards are then filed in order of class numbers like the subject card catalog, the cards of each class being farther arranged, as in case of the scrap sheets, according to any alphabetic subheads. Scores of devices for convenient handling and storing of these slips and of scrap sheets and pamphlets are already manufactured. Details will be found in the full descriptive and illustrated catalog.

Another admirable form is similar to the L. B. scrap-book or shelf list ; in fact, it is simply a shelf list without the printed head and column lines. The subject number goes in the upper corner, and all notes on that subject are written on the sheet below. This book fits an ordinary shelf, has the advantage of a full letter page in sight at once, and holds over five times as much as the postal card. Of course the system can be applied to slips or sheets of any size, but there are literally hundreds of accessories and conveniences exactly adapted to these two sizes, which are used tenfold more than all others combined ; so it is folly for one to begin on another size, and lose the advantages of this uniformity. If intermediate sizes must be had, the ones most used and least objectionable are Note, 12.5, x 20 cm, and Magazine, 17.5 x 25 cm. There are repeated cases where users of some other size have finally found it profitable to change to either the Postal, 7.5 x 12.5, or to the Letter, 20 x 25 cm, even at the cost of rewriting many notes.

Note books are best in this last described form. The much poorer method is to take a bound blank book, and assign the class numbers in order, giving about the space it is thought each will require, and, when the pages so assigned are full, note at the bottom of the page where the subject is continued. This has all the objections of the old fixed location as compared with the relative, and will hardly be adopted by any person who has ever seen the simplicity and economy of the shelf-list system.

Topical indexes. The class numbers are used in indexing books read, usually by making the entries in the index rerum under proper numbers. The number takes the place of a series of words, and the results can be handled, arranged, and found much quicker because of the simple numerals.

The advantages of the system for making topical indexes of collected works, periodicals, transactions, etc. are evident. These consolidated indexes may be arranged together with the card catalog of the books, or by themselves, as seems best in each case.

It would exceed the limits of this brief description to notice all the varied applications of the system. Enough have been mentioned to show its wide adaptability to the wants of the librarian and the student.

CLASSES

- 0 General works
- 1 Philosophy
- 2 Religion
- 3 Sociology
- 4 Philology
- 5 Natural science
- 6 Useful arts
- 7 Fine arts
- 8 Literature
- 9 History

DIVISIONS

000 General works	500 Natural science
010 Bibliography	510 Mathematics
020 Library economy	520 Astronomy
030 General cyclopedias	530 Physics
040 General collections	540 Chemistry
050 General periodicals	550 Geology
060 General societies	560 Paleontology
070 Newspapers	570 Biology
080 Special libraries. Polygraphy	580 Botany
090 Book rarities	590 Zoology
100 Philosophy	600 Useful arts
110 Metaphysics	610 Medicine
120 Special metaphysical topics	620 Engineering
130 Mind and body	630 Agriculture
140 Philosophical systems	640 Domestic economy
150 Mental faculties. Psychology	650 Communication. Commerce
160 Logic. Dialectics	660 Chemical technology
170 Ethics	670 Manufactures
180 Ancient philosophers	680 Mechanic trades
190 Modern philosophers	690 Building
200 Religion	700 Fine arts
210 Natural theology	710 Landscape gardening
220 Bible	720 Architecture
230 Doctrinal. Dogmatics. Theology	730 Sculpture
240 Devotional. Practical	740 Drawing. Decoration. Design
250 Homiletic. Pastoral. Parochial	750 Painting
260 Church. Institutions. Work	760 Engraving
270 Religious history	770 Photography
280 Christian churches and sects	780 Music
290 Ethnic. Non-Christian	790 Amusements
300 Sociology	800 Literature
310 Statistics	810 American
320 Political science	820 English
330 Political economy	830 German
340 Law	840 French
350 Administration	850 Italian
360 Associations and institutions	860 Spanish
370 Education	870 Latin
380 Commerce. Communication	880 Greek
390 Customs. Costumes. Folklore	890 Minor languages
400 Philology	900 History
410 Comparative	910 Geography and travels
420 English	920 Biography
430 German	930 Ancient history
440 French	940 Europe
450 Italian	950 Asia
460 Spanish	960 Africa
470 Latin	970 North America
480 Greek	980 South America
490 Minor languages	990 Oceanica and polar regions

General works

010 Bibliography

011 General bibliographies. Universal catalogs

011 is by Authors. If by Subjects they go in 016.

012-016 include both bibliographies and catalogs. 017-019 is limited to catalogs of general collections.

012 Of individual authors

Alfabeted by bibliografees, not by compilers; e. g. Chaucer, Dante, Ruskin, etc.

013 Of special classes of authors

e. g. Books written by Jesuits, by Roman catholics, by members of the Bavarian academy, etc., or these may go with the church, society, etc. with references here.

014 Of special forms. Anonyms, pseudonyms, etc.

015 Of special countries

Books publisht in the country. Publishers' lists, current publications. Bibliography of books publisht in England, as Lowndes or English catalog.

The history of literature, i. e. belles lettres, poetry, drama, fiction, etc. goes, of course, with those topics in 800; but the literary history of any given place or period covering the writings on all subjects as well as in literature, is bibliography, and goes usually in 015, tho the literary history of some special class is 013.

016 Of special subjects

- | | |
|----|-----------------|
| .1 | philosofy |
| .2 | religion |
| .3 | sociology |
| .4 | philology |
| .5 | natural science |
| .6 | useful arts |
| .7 | fine arts |
| .8 | literature |
| .9 | history |

Bibliography of

Library and sale catalogs

Catalogs of any special subject, whether subject, author, or dictionary, go under its subject number, in 016, which is the ruling heading wherever it conflicts with another. 017-019 therefore includes only catalogs of general collections, limited to no one class or subject.

017 Clast catalogs. Systematic or logical

For all forms of alfabetic subject catalogs, see 019. See 016 for Bibliographies.

018 Author catalogs See 011 for Bibliographies.

A volume containing both author and subject catalogs is more useful in 017. 018 includes accession, chronologic, and any other forms (except subject and dictionary) of catalogs of collections.

019 Dictionary catalogs. Alfabetico-clast, etc.

020 Library economy

021 Scope and founding of libraries

022 Buildings See also 727, Architecture of educational buildings

023 Government and service

024 Regulations for readers

025 Administration. Departments

025 is for the librarian's part. The trustees build and furnish (022); make rules for government and service (023), and regulations for readers (024); but the administration involves questions of its own, which, however, are closely allied to topics in 021-024 and elsewhere; e. g. the librarian must know his side of binding, and be able to give proper directions and supervision, but need not know all the details of the binder's craft (686).

Administration includes Supervision; Acquisition; Utilization; Preservation; i. e. the librarian's duty to books is to Get, Use, Keep.

026 Libraries on special subjects

Histories, reports, statistics, bulletins, handbooks, circulars, and everything about the library not more required in one of the sections above; e. g. a Medical library, a Chess library, but the catalog of a Chess library is 016.7; blanks, etc. from any library go in 025, as more used in studying topics; but, if history of individual libraries is specialized, duplicates are also desirable under the library in 026-027, thus making a complete set of its publications.

027 General libraries

This includes both circulating and reference; i. e. all not limited to special subjects.

028 Reading and aids

See also 374, Self education.

029 Literary methods and labor-savers

Much in 025 and 028 belongs equally under 029 in its full meaning, but practical convenience is best served by keeping such material under those heads instead of separating a part here.

030 General cyclopedias

031 American

e. g. Appleton, International, Johnson.

032 English

e. g. Britannica, Chambers.

033 German

e. g. Brockhaus.

034 French

e. g. Larousse.

035 Italian

036 Spanish

037 Slavic

038 Scandinavian

039 Minor languages

040 General collected essays

- 041 American
- 042 English
- 043 German
- 044 French
- 045 Italian
- 046 Spanish
- 047 Slavic
- 048 Scandinavian
- 049 Minor languages

050 General periodicals, magazines

- 051 American
 - e. g. Atlantic, Century, Harper's, Scribner's.
- 052 English
 - e. g. Athenæum, Blackwood's, Contemporary.
- 053 German
- 054 French
- 055 Italian
- 056 Spanish
- 057 Slavic
- 058 Scandinavian
- 059 Minor languages

060 General societies, transactions

- 061 American
- 062 English
- 063 German
 - e. g. Academies of Berlin, Vienna, etc.
- 064 French
- 065 Italian
- 066 Spanish
- 067 Slavic
- 068 Scandinavian
- 069 Minor languages

070 General newspapers. Journalism

- 071 American
e. g. Albany argus, N. Y. tribune, Nation, Harper's weekly.
- 072 English
e. g. Times (London), Saturday review, Spectator.
- 073 German
- 074 French
- 075 Italian
- 076 Spanish
- 077 Slavic
- 078 Scandinavian
- 079 Minor languages

080 Special libraries. Polygraphy

- 081
- 082
- 083
- 084
- 085
- 086
- 087
- 088
- 089

Left blank to be used (if preferred to prefixing an initial) for general collections of books which by terms of gift or for other cause must be kept together. This must be kept distinct from 040 where the individual books are polygraphic, i. e. are bound pamphlets, essays, addresses, scrap or note books, etc., too general in scope to go under any single class. Juvenils could be put here, but are better kept in a separate class, mark J.

090 Book rarities

Books about these topics, and those chiefly valuable because of their rarity, go here. A rare early edition of Shakspeare goes in 822 with reference from 094. 090 is mostly used for grouping references to books located elsewhere.

- 091 Manuscripts. Autographs
Photographs of mss go with subject rather than here.
For Diplomatics and Paleography, see 417, and under the special language 421, 431, etc.
- 092 Block books
- 093 Early printed books. Incunabula
- 094 Rare printing
Aldines, Elzevirs, Caxtons, etc.; privately printed books; unique books.
- 095 Rare binding
Noted binders, costly ornament, curious bindings.
- 096 Rare illustrations or materials
Illuminated. Illustrated by inserted plates. Printed on vellum, silk, bark, etc., in gold or silver letters, etc.
- 097 Ownership. Book plates. Ex libris
- 098 Prohibited. Lost. Imaginary
- 099 Other rarities. Curiosa. Minute size, etc.

Philosophy

100 Philosophy, general works

Works limited to none of the nine divisions.

- 101 Utility
- 102 Compends. Outlines
- 103 Dictionaries. Cyclopedias
- 104 Essays. Lectures. Addresses
- 105 Periodicals. Magazines. Reviews
- 106 Societies. Transactions. Reports
- 107 Education. Study and teaching
- 108 Polygraphy. Collected works. Extracts, maxims, etc.
- 109 History of philosophy

110 Metaphysics

- 111 Ontology
 - Nature of being. Substance and form.
- 112 Methodology
 - Philosophical classification of knowledge. Terminology. For book classification see 025.4.
- 113 Cosmology
- 114 Space
- 115 Time
- 116 Motion
- 117 Matter
- 118 Force
- 119 Quantity. Number

120 Other metaphysical topics

- 121 Theory of knowledge. Origin. Limits
- 122 Causation. Cause and effect
- 123 Liberty and necessity See also 159, Will.
- 124 Teleology. Final causes
- 125 Infinit and finite
- 126 Consciousness. Personality
- 127 Unconsciousness. Automata
- 128 The soul See also 218, Natural theology ; 237, Future state.
- 129 Origin of the individual soul

130 Mind and body. Anthropology

- 131 Mental physiology and hygiene
- 132 Mental derangements
- 133 Delusions. Witchcraft. Magic
- 134 Mesmerism. Animal magnetism. Clairvoyance
- 135 Sleep. Dreams. Somnambulism
- 136 Mental characteristics See also 131, Mental physiology.
- 137 Temperaments
- 138 Physiognomy
- 139 Phrenology. Mental photographs, etc.

140 Philosophic systems

General discussion of each system ; do not attempt to label each writer as an exponent of some system. Collected philosophic works of individual authors are classed in the sections, 180-199 ; class individual work according to subject.

- 141 Idealism. Transcendentalism
- 142 Critical philosophy
- 143 Intuitionism See also 156, Intuitiv faculty ; 171, Ethical theories.
- 144 Empiricism
- 145 Sensationalism
- 146 Materialism. Positivism
- 147 Pantheism. Monism See also 212, Natural theology.
- 148 Eclecticism
- 149 Other philosophic systems
See also 211, Rationalism, Scepticism ; 214, Fatalism.

150 Mental faculties. Psychology

For mind in animals, see 591.

- 151 Intellect. Capacity for knowing
- 152 Sense. Sense perceptions Passiv or receptiv faculty.
- 153 Understanding Activ or thinking faculty.
- 154 Memory. Reproductiv power
- 155 Imagination. Creativ power
- 156 Intuitiv faculty. Reason
Reasoning, the act of deriving conclusions from premises, 153.
- 157 Sensibility. Emotions. Affections
- 158 Instincts. Appetites
- 159 Will

160 **Logio. Dialectics**

See also 153, Reasoning power. For Logic of chance, see 519, Probabilities.

161 Inductiv

162 Deductiv

163 Assent. Faith See also 234, Doctrin of salvation.

164 Symbolic. Algebraic Logical machines.

Logical topics

165 Sources of error. Fallacies

166 Syllogism. Enthymeme

167 Hypotheses

168 Argument and persuasion

169 Analogy. Correspondence See also 219, Natural theology.

170 **Ethics, theoretic and applied**

Many topics in applied ethics occur also in law, specially in 343, Criminal law. See also 377, Ethical education.

171 Theories. Philosophy of ethics

172 State ethics

173 Family ethics

174 Professional and business ethics

175 Ethics of amusements For Amusements, see 790.

176 Sexual ethics

177 Social ethics. Caste

178 Temperance. Stimulants and narcotics

See also 613, Hygiene; 331, Laboring classes.

179 Other ethical topics.

180 Ancient philosophers

Sections 180-199 are for the history of philosophy in special countries and for the discussion of the philosophic systems of individual authors and for their works not clearly belonging elsewhere. Mill's *Logic* is 160 not 192, and Hegel's *Philosophy of history* is 901 not 193, but their complete philosophic works belong here. Collected lives of philosophers are class 927, and individual lives are placed in the alphabetic series of biography.

- 181 Oriental philosophers
- 182 Early Greek philosophers
- 183 Sophistic and Socratic philosophers
- 184 Platonic. Older Academy
- 185 Aristotelian. Peripatetic. Lyceum
- 186 Pyrrhonist. New Platonist
- 187 Epicurean. Epicurus. Lucretius
- 188 Stoic
- 189 Early Christian and medieval philosophers

190 Modern philosophers

See notes under 140 and 180.

- 191 American philosophers
- 192 British philosophers
- 193 German philosophers
- 194 French philosophers
- 195 Italian philosophers
- 196 Spanish philosophers
- 197 Slavic philosophers
- 198 Scandinavian philosophers
- 199 Other modern philosophers

Religion

200 Religion. General works

- 201 Philosophy. Theories
- 202 Compendis. Outlines
- 203 Dictionaries. Cyclopedias
- 204 Essays. Lectures. Addresses See 252, Sermons.
- 205 Periodicals. Magazines. Reviews
- 206 Societies. Transactions. Reports
Bible, Tract, etc. societies; history, reports, etc., but their publications go of course with subject.
- 207 Education. Theological seminaries. Training schools
See also 377, Religious and secular education.
- 208 Polygraphy. Collected works. Extracts, maxims, etc.
Many collections go under a more specific head; e. g. 240.
- 209 History of religion

210 Natural theology

- 211 Deism and atheism
Scepticism. Infidelity. Rationalism, etc.
See 239, Apologetics; 231, God; 273, Heresy.
- 212 Pantheism. Theosophy See 147, Pantheistic philosophy; 129, Origin of soul.
- 213 Creation. See 113, Cosmology. Evolution See 575, Science.
- 214 Providence. See 231, Christian doctrin of God. Theodicy. Fatalism See 231, for Christian view.
- 215 Religion and science See 239, Apologetics.
- 216 Evil. Depravity See 149, Pessimism; 233, Doctrin of man.
- 217 Prayer. Prayer gage See 264, Public worship; 248, Personal religion.
- 218 Future life. Immortality. Eternity
See 237, Future state; 128, The soul.
- 219 Analogies. Correspondences See also 169, Logic.

220 Bible. General works

For similar works limited to Old or New Testament, or individual books, see specific head below.

- .1 Canon. Inspiration. Profecy
- .2 Concordances. Analyses
- .3 Dictionaries. Cyclopedias
- .4 Original texts and early versions. Codices
- .5 Versions of Bible. Polyglots
These are translations from the original Hebrew and Greek. Translations from other early texts, e. g. an English translation of the Syriac, go in 220.4.

- 220.6 Hermeneutics. Exegesis. Symbolism. Typology
- .7 Commentaries on whole Bible, and annotated editions
For notes, etc., on parts of the Bible, see the most specific head in 221-229.
- .8 Special topics e. g. Biblical astronomy, botany, etc.
- .9 Biblical geography and history
- 221 Old Testament. Texts. Introductions, etc.
- 222 Historical books. Genesis to Esther
- 223 Poetic books. Job to Song of Solomon
- 224 Profetic books. Isaiah to Malachi
- 225 New Testament. Texts, introductions, etc.
- 226 Gospels and Acts
- 227 Epistles
- 228 Apocalypse
- 229 Apocrypha

230 Doctrinal. Dogmatics. Theology

- 231 God. Unity. Trinity
- 232 Christology
- 233 Man
- 234 Salvation. Soteriology
- 235 Angels. Devils. Satan
- 236 Eschatology. Last things
- 237 Future state See 218, Natural theology.
- 238 Creeds. Confessions. Covenants. Catechisms
- 239 Apologetics. Evidences of Christianity

240 Devotional. Practical

- 241 Didactic For Catechisms, see 238.
- 242 Meditativ. Contemplativ See 248, Personal religion.
- 243 Hortatory. Evangelistic
- 244 Miscellany. Religious novels, Sunday-school books, allegories, etc.
But class Bunyan in fiction, because of his literary prominence.
- 245 Hymnology. Religious poetry
See 223, Psalms; 264, Public worship.
- 246 Ecclesiology. Symbolism. Religious art
246-247 cover religious bearings. For art side see 700.
- 247 Sacred furniture. Vestments. Vessels. Ornaments, etc.
- 248 Personal religion. Asceticism See also 273, Heresies.
- 249 Family devotions See 264, Public worship.

250 Homiletic. Pastoral. Parochial

- 251 Homiletics. Preaching See 264, Public worship.
- 252 Sermons
Sermons on specific topics are more useful, like other pamphlets, clast with the topics, e. g. a sermon on family devotions in 249, not 252; on strikes in 331.
- 253 Pastoral visitations, evangelistic
- 254 Clerical support. Celibacy
See also 176, Sexual ethics; 248, Asceticism.
- 255 Brotherhoods. Sisterhoods
In the parish. For Monastic orders, see 271.
- 256 Societies for parish work. Gilds. Sodalities
Local societies. Discussion of desirability of such work. For general societies, see 206 and 267.
- 257 Parochial schools. Libraries, etc.
See 377, Religious and secular education; 027, Libraries.
- 258 Parish care of sick, fallen, etc.
See also 176, Sexual ethics.
- 259 Other ministrations and work

260 Church. Institutions and work

- 261 The church Its influence on morals, civilization, etc.
- 262 Ecclesiastical polity
- 263 Sabbath. Lord's day. Sunday
- 264 Public worship. Divine service. Ritual
See also 246, Ecclesiology; 247, Sacred furniture.
- 265 Sacraments. Ordinances
- 266 Missions. Home and foreign
Missions in special countries or places, including those of all churches, go under the geographically divided Religious history, 274-279, with references under 266.
- 267 Associations. Y. M. C. A., etc.
- 268 Sunday schools
- 269 Revivals. Retreats. Parish missions

270 Religious history

- 271 Monastic orders
See also 255, Parish brotherhoods; 377, Religious and secular education.
- 272 Persecutions
See also special sects, 280; and history of special countries, 940-999.
- 273 Heresies For the history of special docttrins, see 230-239, Doctrinal theology.
- 274 General religious history of Europe
 - .1 Scotland. Ireland
 - .2 England. Wales
 - .3 Germany. Austria
 - .4 France
 - .5 Italy
 - .6 Spain. Portugal
 - .7 Russia
 - .8 Norway, Sweden and Denmark
 - .9 Minor European countries

- 275 General religious history of Asia
- .1 China
 - .2 Japan
 - .3 Arabia
 - .4 India
 - .5 Persia
 - .6 Turkey in Asia
 - .7 Siberia
 - .8 Afghanistan. Turkestan. Baluchistan
 - .9 Farther India
- 276 General religious history of Africa
- .1 North Africa
 - .2 Egypt
 - .3 Abyssinia
 - .4 Morocco
 - .5 Algeria
 - .6 North central Africa
 - .7 South central Africa
 - .8 South Africa
 - .9 Madagascar. Mauritius
- 277 General religious history of North America
- .1 Canada. British America
 - .2 Mexico. Central America
 - .3 United States
 - .4 Northeastern or North Atlantic states, New England
 - .5 Southeastern or South Atlantic states
 - .6 South central or Gulf states
 - .7 North central or Lake states
 - .8 Western or Mountain states
 - .9 Pacific states
- For the exact states covered by these general designations, see 974-979.
- 278 General religious history of South America
- .1 Brazil
 - .2 Argentine Republic. Patagonia
 - .3 Chili
 - .4 Bolivia
 - .5 Peru
 - .6 U. S. of Colombia. New Granada. Ecuador
 - .7 Venezuela
 - .8 Guiana
 - .9 Paraguay. Uruguay

279 General religious history of Oceanica. Polar regions

- .1 Malaysia
- .2 Sunda
- .3 Australasia
- .4 Australia
- .5 New Guinea
- .6 Polynesia
- .7 Isolated islands
- .8 Arctic regions
- .9 Antarctic regions

280 Christian churches and sects

See also 270, Religious history.

- 281 Primitiv and oriental churches
- 282 Western or Roman catholic church
- 283 Anglican and American P. E. church
- 284 Continental protestant sects. Protestantism
- 285 Presbyterian. Reformd. Congregational
- 286 Baptist
- 287 Methodist
- 288 Unitarian See also 273, Heresies.
- 289 Minor Christian sects

290 Ethnic. Non-Christian

- 291 Comparativ and general mythology
- 292 Greek and Roman mythology
- 293 Teutonic and northern mythology
- 294 Brahmanism. Buddhism For other Indic religions, see 299.
See also 291, Sanskrit literature; 177, Social ethics, Caste.
- 295 Parseeism. Zend Avesta For other Iranic religions, see 299
See also 891, Zend literature.
- 296 Judaism For other Semitic religions, see 299.
- 297 Mohammedanism
- 298 Mormonism See also 173, Family ethics.
- 299 Minor non-Christian religions

Sociology

300 Sociology. General works

301-309 all have Sociology in general as their subject, but it is treated in these various forms. A periodical on education goes in 370, not 305, which is only for periodicals on sociology in general. In sociology, most works in these forms are limited to one division; e. g. to political economy, education, law, etc.

301 Philosophy. Theories

See 901, Philosophy of history.

302 Compendis. Outlines

303 Dictionaries. Cyclopedias

304 Essays. Lectures. Addresses

305 Periodicals. Magazines. Reviews

306 Societies. Transactions. Reports

307 Education. Study and teaching

See also 370.

308 Polygraphy. Collected works. Extracts, etc.

Put here collected works of statesmen; e. g. works of Adams, Jefferson, etc.

309 History of social science

310 Statistics

311 Theory, methods. Science of statistics

312 Population. Progress of. Vital statistics. Births.

Deaths. Mortality. Longevity

See also 614, Public health.

313 Special topics

The statistics of any special matter are put with the subject, e. g. of Domestic animals in 636, of Shorthand in 653, of French novels in 843, of Theaters in 792, etc. The statistics of New York city would be 317, but the statistics of Medicine in New York would be put with 610, Medicine, i. e. the topic outranks the locality.

314 Europe

315 Asia

316 Africa

317 North America

318 South America

319 Oceanica

Statistics of

320 Political science

321 Form of state

This is for discussion of form of state, what should be ; for what is, see 342, Constitutional law and 353-354, Administration.

322 Church and state See also 172, State ethics ; 261, The church.

323 Internal or domestic relations

Freespeech, Liberty of the press; for Morals of the press, see 179; also, 070, Newspapers.

324 Suffrage

325 Colonies and immigration

326 Slavery See also 973.7, Civil war.

327 Foreign relations

328 Legislativ bodies and annals

329 Political parties. Party conventions

330 Political economy

331 Capital. Labor and wages

332 Banks. Money. Credit. Interest

333 Land. Ownership, rights and rent

See also 338, Production; and 630, Agriculture.

334 Cooperation

335 Socialism and communism

336 Finance

337 Protection and free trade

338 Production. Manufacture. Prices

339 Pauperism. Consumption of wealth

See also 362, Asylums; 331, Labor and wages.

340 Law Most periodicals belong in Private law, 347.**Public law**

341 International law

342 Constitutional law and history For Administrativ law, see 350.

343 Criminal law

344 Martial law

Private law

345 U. S. statutes and cases

346 British statutes and cases

Includes all reports in English language except U. S. reports.

347 Treatises. American and English private law

Put law of special topics with the subject; e. g. Insurance law, 368.

348 Canon law

349 Foreign law

- 350 Administration** Including Military science.
- 351 Administration of central government
 - 352 Local government. Town. City. County
See also 379, Public schools; 020, Libraries.
 - 353 United States and state government
See also 342, Constitutional law and history.
 - 354 Organization of central government. Foreign states
See also 342, Constitutional law and history.
 - 355 Army. Military science See also 623, Military engineering.
Limited to Military science, tactics, etc. For War department of U. S. or history of regiments, see 353.
 - 356 Infantry
 - 357 Cavalry
 - 358 Artillery, engineers, etc.
 - 359 Naval science See 623, Naval engineering.

360 Associations and institutions

This covers what is best known as "Charities and corrections," and general works on this topic go in 360.

- 361 Charitable
- 362 Hospitals, asylums, and allied societies
For inebriate asylums, see 178, Temperance.
- 363 Political Tammany, Primrose leag, Ku Klux, etc.
- 364 Reformatory Schools. Discharged convicts. Criminal classes.
- 365 Prisons. Disciplin
- 366 Secret societies See also 371, College secret societies.
- 367 Social clubs
- 368 Insurance See also 334, Cooperation.
- 369 Other Cincinnati.

370 Education

- 371 Teachers, methods, and disciplin
- 372 Elementary education. Primary schools
- 373 Secondary. Academic. Preparatory
The discussions of theories, methods, etc. are clast regardless of the source of support; but schools clast in 372, 373, 376, 377 and 378 are all private or endowd except parts of primary, schools for women, and colleges, which, even if supported by public funds, are preferably clast in 372, 376 and 378. All other "public" schools, i. e. paid for from the public treasury, are groupd under 379. Besides schools, such topics as "American students in Europe" go naturally in 373 or, if the topic be "European universities," in 378. Peabody and Slater funds go in 373.
- 374 Self-education and culture. Extension teaching
- 375 Curriculum
- 376 Education of women See also 396, Woman's position and treatment.
- 377 Religious, ethical, and secular education
- 378 Colleges and universities With power of conferring degrees.
- 379 Public schools. State education

380 Commerce, communication

The technical side of these questions goes mostly in 650, Useful arts. Here belong discussions of social and political relations; e. g. government control of railroads, telegraphs, etc.

- 381 Domestic trade
- 382 Foreign trade. Consular reports
- 383 Post-office See also 353, U. S. administration.
- 384 Telegraf. Cable. Telefone
See also 654, Telegraphic instruments and construction
- 385 Railroad and express See also 656, Transportation.
- 386 Canal and highway transportation ,,
- 387 River and ocean transportation ,,
- 388 City transit See also 625, Railroad and road engineering.
- 389 Weights and measures. Metrology See also 658, Business manuals and methods.

390 Customs. Costumes. Popular life

These heads are for discussions by topics. Customs, etc. of any special country go in 913-919. Books on a special topic in a special country go here, as the grouping by topics is the more important; e. g. Marriage in Japan is 392, but Japanese customs, 915.2. For Customs of primitive man, see 571.

- 391 Costume and care of person See 646, Clothing; 613, Hygiene.
- 392 Birth, home, and sex customs
- 393 Treatment of the dead See 614, Public health.
- 394 Public and social customs
- 395 Etiquet
- 396 Woman's position and treatment
For Costumes, see 391; Biografy, 920.7.
If a special library about women is wisht, 396 is the best place for it. Suffrage, education, and employment can then be put here with references from 324, 376, 331, etc.; but it would be unwise to bring everything about women here, e. g. to remove 618, Diseases of women, from the rest of medicin. Books on woman in general go in 396.
- 397 Gipsies. Nomads. Outcast races
People without nationalities who do not coalesce with the ruling people among whom they live. This includes Gipsy language, which has no place in the linguistic groups of 400, as the Gipsy people have no place in the geografic divisions of history.
- 398 Folk-lore. Proverbs, etc. See also 291-293, Mythology.
This section is for material needed in studying folk-lore. Mere stories for children, unless having a value to students of folk-lore, go in fiction, or in J, if there be a juvenil collection.
- 399 Customs of war
Weapons War dances. Treatment of captivs. Scalping. Mutilation. Burning. Cannibalism.

Philology

400 Philology. General works

In Philology the general works put under 400-419 deal almost entirely with the Indo-European languages. They are put here because they cover most of the divisions of this class, and in practice are most convenient here. Under 439, 479, and 489 are placed books limited to the Teutonic, Romance or Hellenic groups, and under 491 are placed only such general works as are specifically limited to the Indo-European group.

- 401 Philosophy. Origin of language
- 402 Compends. Outlines
- 403 Dictionaries. Cyclopedias
- 404 Essays. Lectures. Addresses
- 405 Periodicals. Magazines. Reviews
- 406 Societies. Transactions. Reports
- 407 Education. Schools of languages
- 408 Polygraphy. Collected works. Extracts, etc.
- 409 History of language

410 Comparativ

410-419 includes *comparativ* works in *general* and also those on the Indo-European group in general, but general and *comparativ* works on Teutonic group are 439; on Romance group 479; on Hellenic group 489. Everything about an individual language is put with that language.

- 411 Orthograpy. Orthoepey. Alfabetts
- 412 Etymology. Derivation
- 413 Dictionaries. Lexicograpy
- 414 Phonology. Visible speech
- 415 Grammar. Morfology. Syntax
- 416 Prosody
- 417 Inscriptions. Paleograpy

Rare early mss are put in 091; Inscriptions of an individual language are classed with its orthograpy; Latin inscriptions, 471; Greek inscriptions, 481, etc.

- 418 Texts
- 419 Hieroglyphics See also 493, Egyptian hieroglyphics.

420 English philology

421 Orthograpy

See also this head treated in general grammars placed under 425.

422 Etymology. Derivation

422 is limited to derivation. For inflection, also called etymology, see 425.

423 Dictionaries. Idioms

Put a dictionary of two languages with the less known language. Under 423 put only English-English dictionaries. Put an English-French dictionary with French, 443; a French-Latin dictionary with Latin, 473. If in several languages, put with 413, or with least known. This plan brings together under each of the less known, all the dictionaries for translating either into or from that language. Some prefer to put each dictionary under the first language; i. e. that by which it is alphabetized. This gives under *each* language, regardless of its familiarity, *all* dictionaries for translating *from* it, but none for translating *into* it. These must be sought under the language from which the translation is to be made. For a cosmopolitan library this plan is simplest and best; but in an English library, the first plan, with only English dictionaries in 423, and both *in* and *out* dictionaries together under little known tongues is more convenient. References in either case show what may be found in the other place.

424 Synonyms. Homonyms

425 Grammar

425 includes general works, covering also orthograpy and prosody.

426 Prosody

See also the head prosody, in general grammars, 425.

427 Dialects. Early forms. Slang

428 School books. Texts for learning the language

Including only books for *learning* the language, with grammatic or philologic notes, etc. For other works see the literature of the language, 820.

429 Anglo-Saxon

430 German

431 Orthograpy

432 Etymology. Derivation

433 Dictionaries. Idioms

434 Synonyms. Homonyms

435 Grammar

436 Prosody

437 Dialects. Early forms. Slang

438 School books. Texts for learning the language

439 Minor Teutonic Including general works on Teutonic group.

440 French

441 Orthograpy

442 Etymology. Derivation

443 Dictionaries. Idioms

444 Synonyms. Homonyms

445 Grammar

(French)

- 446 Prosody
- 447 Dialects. Early forms. Slang
- 448 School books. Texts for learning the language
- 449 **Provençal** Old French, as the earliest form of the language, is 447.

450 Italian

- 451 Orthograpy
- 452 Etymology. Derivation
- 453 Dictionaries. Idioms
- 454 Synonyms. Homonyms
- 455 Grammar
- 456 Prosody
- 457 Dialects. Early forms. Slang
- 458 School books. Texts for learning the language
- 459 **Wallachian**

460 Spanish

- 461 Orthograpy
- 462 Etymology. Derivation
- 463 Dictionaries. Idioms
- 464 Synonyms. Homonyms
- 465 Grammar
- 466 Prosody
- 467 Dialects. Early forms. Slang
- 468 School books. Texts for learning the language
- 469 **Portuguese**

470 Latin

- 471 Orthograpy
- 472 Etymology. Derivation
- 473 Dictionaries. Idioms
- 474 Synonyms. Homonyms
- 475 Grammar
- 476 Prosody
- 477 Dialects. Early forms. Slang
- 478 School books. Texts for learning the language
- 479 **Minor Italic. Medieval Latin**
Including general works on Romance group.

480 Greek

- 481 Orthograpy
- 482 Etymology. Derivation
- 483 Dictionaries, Idioms
- 484 Synonyms. Homonyms
- 485 Grammar
- 486 Prosody
- 487 Dialects. Early forms. Slang
- 488 School books. Texts for learning the language
- 489 **Minor Hellenic. Modern Greek**

Including general works on Hellenic group.

Works on Latin and Greek together, unless very clearly most useful with Latin, go with Greek, which here as elsewhere is made to include general works on the ancient classics.

490 Minor languages

- 491 **Minor Indo-European**

(Besides Teutonic, 420-439; Italic, 440-479; and Hellenic, 480-489.) This head, 491, includes general works on the Indo-European tongues, but general works on the Teutonic languages go in 439, on the Romance group in 479, on the Hellenic group in 489, while most of the material placed under 400-419 is really Indo-European; but see also 410.

- 492 Semitic
- 493 Hamitic
- See 419, Hieroglyphics.
- 494 Scythian. Ural-Altaic. Turanian
- Dravidian. Tamil. Finnish. Turkish.
- 495 Eastern Asiatic. Chinese
- 496 African
- Excluding 493 Hamitic, 492 Semitic, etc. included in families above.
- 497 North American
- 498 South American
- 499 Malay-Polynesian and other

The Gipsy language is not assigned to any group, but is placed for convenience with 397, Gipsies.

Natural science

500 Science. General works

501-509 all have *Science in general* as their subject, but it is treated in these various forms. A periodical on *chemistry* goes in 540, not in 505, which is only for periodicals on science in general.

- 501 Philosophy. Theories. Utility
- 502 Compends. Outlines. Ancient and medieval science
- 503 Dictionaries. Cyclopedias
- 504 Essays. Lectures. Addresses
- 505 Periodicals. Magazines. Reviews
- 506 Societies. Transactions. Reports
- 507 Education. Teaching and studying. Museums
See also 370.
- 508 Polygraphy. Collected works. Extracts, etc.
 - .3 General scientific travels and surveys
 - .4 Scientific travel in Europe
 - .5 Asia
 - .6 Africa
 - .7 North America
 - .8 South America
 - .9 Oceanica
- 509 History of science

510 Mathematics

- 511 Arithmetic See also 372, Elementary education
- 512 Algebra
- 513 Geometry
Descriptiv geometry is 515. See also Mathematical drawing, 744.
- 514 Trigonometry
- 515 Descriptiv geometry and projections
See also 744, Mathematical drawing.
- 516 Analytic geometry
- 517 Calculus
- 519 Probabilities

520 Astronomy

521 Theoretical astronomy

Mathematical investigation of celestial motions, specially of the solar system. The motions of individual bodies are classed in 523.

522 Practical and spherical

523 Descriptive astronomy

524 Maps, observations and tables

Series of observatory publications may be kept together under 524, or under 522 with the history and reports of the observatory. Special maps or observations; e. g. on sun or moon are better placed under 523. This number provides a place in case it is wished to keep *all* maps and observations together

525 Earth.

526 Geodesy and surveying

527 Navigation

528 Ephemerides

529 Chronology

530 Physics

531 Mechanics

532 Liquids. Hydrostatics. Hydraulics

533 Gases. Pneumatics

534 Sound. Acoustics

535 Light. Optics

536 Heat

537 Electricity

538 Magnetism

For "Animal magnetism," Mesmerism, etc. see 134.

539 Molecular physics

540 Chemistry

541 Theoretical chemistry

542 Practical and experimental chemistry

543 Analysis

Of special materials. See also 614.3, Adulterations.

544 Qualitative analysis

545 Quantitative analysis

546 Inorganic chemistry

547 Organic chemistry

548 Crystallography

549 Mineralogy

550 Geology**551 Physical and dynamic geology**

Including physical geography. For cosmic geography, see 523.

552 Lithology. Petrography. Petrology**553 Economic geology** .See also Mining engineering.

While the history of all the other products goes here, the history of the metals is more useful in 669, Metallurgy.

554 Geology of Europe

- | | |
|----|----------------------------|
| .1 | Scotland. Ireland |
| .2 | England. Wales |
| .3 | Germany. Austria |
| .4 | France |
| .5 | Italy |
| .6 | Spain. Portugal |
| .7 | Russia |
| .8 | Norway, Sweden and Denmark |
| .9 | Minor European countries |

Geology of

555 Geology of Asia

- | | |
|----|-------------------------------------|
| .1 | China |
| .2 | Japan |
| .3 | Arabia |
| .4 | India |
| .5 | Persia |
| .6 | Turkey in Asia |
| .7 | Siberia |
| .8 | Afghanistan. Turkestan. Baluchistan |
| .9 | Farther India |

Geology of

556 Geology of Africa

- | | |
|----|-----------------------|
| .1 | North Africa |
| .2 | Egypt |
| .3 | Abyssinia |
| .4 | Morocco |
| .5 | Algeria |
| .6 | North central Africa |
| .7 | South " " |
| .8 | " Africa |
| .9 | Madagascar. Mauritius |

Geology of

557 Geology of North America

- .1 Canada
- .2 Mexico. Central America. West Indies
- .3 United States
- .4 Geology of Northeastern or North Atlantic states. New England
- .5 Southeastern or South Atlantic states
- .6 South central or Gulf states
- .7 North central or Lake states
- .8 Western or Mountain states
- .9 Pacific states

For the exact states covered by these general designations, see 974-979.

558 Geology of South America

- .1 Brazil
- .2 Argentine Republic. Patagonia
- .3 Chili
- .4 Geology of Bolivia
- .5 Peru
- .6 U. S. of Colombia. New Granada Ecuador
- .7 Venezuela
- .8 Guiana
- .9 Paraguay. Uruguay

559 Geology of Oceanica. Polar regions

- .1 Malaysia
- .2 Sunda
- .3 Australasia
- .4 Geology of Australia
- .5 New Guinea
- .6 Polynesia
- .7 Isolated islands
- .8 Arctic regions
- .9 Antarctic regions

560 Paleontology

- 561 Plants
- 562 Invertebrates
- 563 Protozoa. Radiates
- 564 Mollusks
- 565 Articulates
- 566 Vertebrates
- 567 Fishes. Batrachia
- 568 Reptils. Birds
- 569 Mammals

570 Biology

- 571 Prehistoric archeology
For customs, see 390. For archeology of special countries, see 923.
- 572 Ethnology. Anthropology
See also 136, Mental race characteristics.
- 573 Natural history of man
- 574 Homologies
- 575 Evolution See also 213, Creation; 215, Religion and Science; 239, Apologetics.
- 576 Origin and beginnings of life
- 577 Properties of living matter
- 578 Microscopy See also 535, Optics.
- 579 Collectors' manuals

580 Botany

- 581 Physiologic and structural botany
- .9 Geographic
This is to be used only for general works and cross references. The "Flora of North America" is put 581.9; but "North American cryptogams" is classed 586 with a reference from 581.9, but No. Am. phanerogamia goes with 581.9 because it so nearly covers the subject.
General works covering both Phanerogamia and Cryptogamia are put under 580, as books on Vertebrates and Invertebrates are put under 590.
- 582 Phanerogamia See also Trees 715.
- 583 Dicotyledonae
- 584 Monocotyledonae
- 585 Gymnospermae
- 586 Cryptogamia
- 587 Pteridofyta
- 588 Bryofyta
- 589 Thallofyta

590 Zoology

- 591 Physiologic zoology
- 592 Invertebrates
- 593 Protozoans. Radiates
- 594 Mollusks
- 595 Articulates
- 596 Vertebrates
- 597 Fishes. Pisces
- 598 Birds. Reptils
- .1 Reptils
- 599 Mammals. Mammalia

Useful arts

600 Useful arts. General works

- 601 Philosophy. Theories, etc.
- 602 Compends. Outlines
- 603 Dictionaries. Cyclopedias
- 604 Essays. Lectures. Addresses
- 605 Periodicals. Magazines. Reviews
- 606 Societies. Transactions. Reports. Fairs. Exhibitions
Special exhibitions go with their topics. This is general only.
- 607 Education. Schools of technology
- 608 Patents. Inventions
- 609 History of useful arts
For its history, see each special department.

610 Medico

- 611 Anatomy. Histology
For Malformations see 617, Surgery. See also 591, Physiologic zoology.
- 612 Physiology
For vital phenomena in general, see 577, Properties of living matter. See also 591, Physiology of animals.
- 613 Personal hygiene
Care of health; Prophylaxis; Individual health; Laws of health.
- .7 **Gymnastics and athletics. Recreation and sleep**
- 614 **Public health**
Public hygiene. Public sanitation. State medicin. Preventiv medicin. See also 628, Sanitary engineering; 352, Local administration.
- .3 **Adulterations. Inspection of articles liable to affect public health.** Public analysts. State laboratories. For chemical analysis see 543.
- .8 **Protection of human life from accidents, casualties, etc.**
- 615 Materia medica and therapeutics
- 616 Pathology. Diseases. Treatment
- 617 Surgery
- 618 Diseases of women and children. Obstetrics
- 619 Comparativ medicin. Veterinary

620 Engineering

- 621 Mechanical engineering
 - .1 Steam engineering
 - .3 Electric engineering
 - .4 Air and gas engines
 - Internal combustion engins.
- 622 Mining engineering
- 623 Military and naval engineering. Shipbuilding
 - For Military and naval science, Maneuvers, Strategy and tactics, see 355 to 359.
- 624 Bridges and roofs
- 625 Railroad and road engineering.
 - See also 624, Bridges.
- 626 Canal engineering
- 627 River, harbor and general hydraulic engineering
- 628 Sanitary engineering. Waterworks
- 629 Other branches of engineering

630 Agriculture

- 631 Soil. Fertilizers. Drainage
- 632 Pests. Hindrances. Blights. Insects
- 633 Grains. Grasses. Fibers. Tea. Tobacco, etc.
- 634 Fruits. Orchards. Vineyards. Forestry
 - See also 715, Landscape gardening.
- 635 Kitchen garden
 - See 716, for Flower gardens.
- 636 Domestic animals
 - See also 619, Veterinary medicine; 599, Zoology.
- 637 Dairy. Milk. Butter. Cheese
- 638 Bees. Silkworms
- 639 Fishing. Trapping

640 Domestic economy.

- 641 Food. Cookery. Gastronomy
 - See also 613, Hygiene; 663, Beverages.
- 642 Serving. Table. Entertaining
 - See also 394, Customs.
- 643 Shelter: house, home
- 644 Heat. Light. Ventilation
 - See also 697, Heating; 665, Gas, candles, lamps; 621.3, Electric engineering.
- 645 Furniture. Carpets. Upholstery. Decoration
- 646 Clothing. Toilet. Cosmetics
 - See also 613; Hygiene; 391, Costume and care of person.
- 647 Household organization and administration
 - Expenses. Servants: training, duties, wages. Hotels, clubs, flats, etc.
- 648 Sanitary precautions: laundry, cleaning
- 649 Nursery. Children. Sickroom

650 Communication. Commerce

- 651 Office equipment and methods
- 652 Writing. Materials, typewriters, cipher
- 653 Abbreviations. Shorthand
- 654 Telegraf. Cables. Signals For codes see 652.
- 655 Printing. Publishing. Copyright
- 656 Transportation. Railroading, etc.
- 657 Bookkeeping. Accounts
- 658 Business manuals. Methods. Tables
- 659 Advertising and other topics

660 Chemical technology

- 661 Chemicals
- 662 Pyrotechnics. Explosivs. Matches, etc.
- 663 Beverages See also 178, Temperance; 614.3, Adulterations.
- 664 Foods

For Adulterations see 614.3, Public health. See also 641, Cookery, and 642, Table serving.

- 665 Oils. Gases. Candles. Lamps
See also 644.
- 666 Ceramics. Glass, etc.
- 667 Bleaching, dyeing, etc.
- 668 Other organic chemical industries

669 Metallurgy and assaying

History of metals goes here, not in 553, 622 nor 671.

670 Manufactures

Specific topics go where of most interest. These heads are for the *general* subject of metal, wood, etc., manufactures, and for such specific manufactures as are not of more interest elsewhere. But an account of a specific manufacture is commonly most useful with its own subject; e. g., a steam engine is certainly made of metal, but its manufacture should go under 621.1, not 672. The character of the library often decides the place of greatest interest. An agricultural library would prefer the manufacture and everything about wood churns with the dairy, 637, while a manufacturing library might prefer it with other wood manufactures in 674. A general library will incline to the special subject, as a more minute classification is thus obtained, and references under 670 answer inquiries for all the library has on the subject of brass or rubber or paper manufactures. Whether grouped by use or material, if sought from the other standpoint, the references show the resources promptly. As a rule the use is the better classification, being more minute and oftener wanted. But if the uses are various the general head is better; e. g. bells are for scores of distinct uses, but their manufacture is a unit; but all churns are for the dairy.

- 671 Articles made of metals
- 672 Of iron and steel; stoves, cutlery, etc.
- 673 Of brass and bronze; bells, etc. See also 739.

(Manufactures)

- 674 Lumber and articles made of wood
- 675 Leather „ „ „ „ leather
- 676 Paper „ „ „ „ paper
- 677 Cotton, wool, silk, linen, etc.
- 678 Rubber and articles made of rubber
- 679 Celluloid and other

680 Mechanic trades. Amateur manuals

- 681 Watch and instrumentmaking
- 682 Blacksmithing
- 683 Lock and gunmaking
- 684 Carriage and cabinetmaking
- 685 Saddlery and shoemaking. Trunks
- 686 Bookbinding
- 687 Clothesmaking. Hats
- 688
- 689 Other trades .

690 Building For Architectural construction, see 721.

- 691 Materials. Processes. Preservatives
See also 620, Engineering.
- 692 Plans. Specifications, etc.
- 693 Masonry. Plastering. Fireproofing
- 694 Carpentry. Joinery. Stairbuilding
- 695 Roofing. Slating. Tiling See 721, Roof constructions.
- 696 Plumbing. Gas and steam fitting, etc.
- 697 Heating and ventilation
See Sanitary engineering, 628; Domestic economy, 644.
- 698 Painting. Glazing. Paperhanging
- 699 Carbuilding

Fine arts

700 Fine arts. General works

- 701 Philosophy. Theories. Utility. Esthetics
- 702 Compends. Outlines
- 703 Dictionaries. Cyclopedias
- 704 Essays. Lectures. Addresses
- 705 Periodicals. Magazines. Reviews
- 706 Societies. Transactions. Reports
- 707 Education. Study and teaching
- 708 Art galleries and museums
- 709 History of art in general

710 Landscape gardening

- 711 Public parks
- 712 Private grounds. Lawns
- 713 Walks. Drives
- 714 Water. Fountains. Lakes
- 715 Trees. Hedges. Shrubs
See also 634, Forestry; 582, Botany.
- 716 Plants. Flowers
- 717 Arbors. Seats. Outlooks
- 718 Monuments. Mausoleums
- 719 Cemeteries * See also 393, Treatment of the dead; 614, Public health.

720 Architecture

- 721 Architectural construction
- 722 Ancient and oriental architecture (Pagan)
See also 571. Prehistoric archeology.
- 723 Medieval. (Christian. Mohammedan)
- 724 Modern
- 725 Public buildings
- 726 Ecclesiastic and religious
- 727 Educational and scientific
- 728 Residences
- 729 Architectural design and decoration

730 Sculpture

- 731 Materials and methods
- 732 Ancient
 - 733 Greek and Roman
 - 734 Medieval
 - 735 Modern
- 736 Carving. Seals. Dies. Gems. Cameos
- 737 Numismatics. Coins. Medals
- 738 Pottery. Porcelain
- 739 Bronzes. Brasses. Bric-a-brac

740 Drawing. Decoration. Design

- 741 Free-hand. Crayon. Sketching from nature.
 - Caricatures. Cartoons
 - Collections on any subject go with that subject with reference from 741.
- 742 Perspectiv See also 515, Descriptiv geometry.
- 743 Art anatomy. Life school
- 744 Mathematical and scientific drawing See also 515, Descriptiv geometry.
- 745 Ornamental design. Woven fabrics. Carpets.
 - Wall paper, etc.
- 746 Art needlework. Fancy work
- 747 Interior decoration. Distemper. Fresco. Poly-chrome
- 748 Staind and iridescent glass For Leading, see 698.
- 749 Artistic furniture. Fireplaces. Frames, etc.

750 Painting.

- 751 Materials and methods
- 752 Color See 535, Optics.
- 753 Epic. Mythic. Idealistic
- 754 Genre. Still life
- 755 Religious. Ecclesiastic
- 756 Historical. Battle scenes
- 757 Portrait
- 758 Landscape and marine. Animals. Flowers
- 759 Various schools of painting

760 Engraving

- 761 Wood
- 762 Copper and steel
- 763 Lithography
- 764 Chromolithography
- 765 Line and stipple
- 766 Mezzotint and aquatint
- 767 Etching. Dry point
- 768 Bank-note and machine
- 769 Collections of engravings

770 Photography

- 771 Materials. Photographic chemistry
- 772 Silver processes. Daguerreotype. Talbotype. Colodion process. Ambrotype; etc. Dry-plate processes
- 773 Gelatin and pigment processes. Woodburytype. Carbon process. Lambertype. Autotype, etc.
- 774 Gelatin and printer's ink processes. Albertype. Heliotype. Artotype, etc.
- 775 Photo-lithography, etc.
- 776 Photo-zincography, etc.
- 777 Photo-engraving and Photo-electrotyping
- 778 Special applications See 522, Astronomy; 578, Microscopy.
- 779 Collections of photographs

780 Music

All heads include both the music itself and everything about it: Score, libretto, history, criticism, etc.

- 781 Theory of music
- 782 Dramatic music
- 783 Sacred music
 - See 245, Hymnology, sacred poetry for hymns alone; if with tunes they go in 783; 786, Organ; 246, Evangelistic use and eucharistic music; 264, Public worship.
- 784 Vocal music
- 785 Orchestral music
 - For Dramatic orchestral music, see 782; Sacred, 783.
- 786 Piano and organ
- 787 Stringed instruments
 - Including history, manufacture, instruction, music, etc.
- 788 Wind instruments
 - Including history, manufacture, instruction, music, etc.
- 789 Percussion and mechanical instruments

790 Amusements For Ethics of amusements, see 175.

791 Public entertainment

Concert, panorama, circus, menagerie, summer resort, garden, rink, museum, fair, festival.

792 Theater. Pantomime. Opera See also 782, Dramatic music.

793 In-door amusements

Private theatricals, tableaux, charades, dancing.

794 Games of skill

Chess, checkers, billiards, bowling, bagatel.

795 Games of chance

Cards, dice, backgammon, dominoes.

796 Out-door sports

Children's sports, athletic sports, coasting, skating, cycling, quoits, archery, croquet, lawn tennis.

797 Boating and ball

Rowing, yachting, base-ball, foot-ball, cricket, polo.

798 Horsemanship and racing

799 Fishing, hunting, target shooting

Literature

The classification of literature is by *language*, not country, except that North and South American are separated from other English. Canadian French goes with 840; Australian and Indian English with 820; South American Spanish with 860, etc.

800 Literature. General works

- 801 Philosophy. Theories. Literary esthetics
- 802 Compends. Outlines
- 803 Dictionaries. Cyclopedias
- 804 Essays. Lectures. Addresses
- 805 Periodicals. Magazines. Reviews
- 806 Societies. Transactions. Reports
- 807 Education. Study and teaching
- 808 Rhetoric. Treatises. Collections
- 809 History of literature Including general histories of books and knowledge;
e. g. Hallam's *Literature of the middle ages*.

810 American literature Includes Canadian English.

- 811 American poetry
- 812 American drama
- 813 American fiction
- 814 American essays
- 815 American oratory
- 816 American letters
- 817 American satire and humor
- 818 American miscellany

820 English literature

- 821 English poetry
- 822 English drama
- 823 English fiction
- 824 English essays
- 825 English oratory For Speakers, see 808.
- 826 English letters
- 827 English satire and humor
- 828 English miscellany

Anecdotes, ana, epigrams, quotations, etc., if illustrative of any special subject (e. g., biography, history, science, art), go with that subject. If general they go in 828. For Riddles, Proverbs, see 398. The same rule applies to other languages in 838, 848, etc.

829 Anglo-Saxon literature

830 German literature

- 831 German poetry
- 832 German drama
- 833 German fiction
- 834 German essays
- 835 German oratory
- 836 German letters
- 837 German satire and humor
- 838 German miscellany See 828, note.

839 Minor Teutonic literatures**840 French literature**

- 841 French poetry
- 842 French drama
- 843 French fiction
- 844 French essays
- 845 French oratory
- 846 French letters
- 847 French satire and humor

849 Provençal literature**850 Italian literature**

- 851 Italian poetry
- 852 Italian drama
- 853 Italian fiction
- 854 Italian essays
- 855 Italian oratory
- 856 Italian letters
- 857 Italian satire and humor
- 858 Italian miscellany

859 Wallachian literature**860 Spanish literature**

- 861 Spanish poetry
- 862 Spanish drama
- 863 Spanish fiction
- 864 Spanish essays
- 865 Spanish oratory
- 866 Spanish letters
- 867 Spanish satire and humor
- 868 Spanish miscellany

869 Portuguese literature

870 Latin literature

- 871 Latin poetry in general
See Dramatic, Epic and Lyric below.
- 872 Latin drama
- 873 Latin epic poetry
- 874 Latin lyric poetry
- 875 Latin oratory
- 876 Latin letters
- 877 Latin satire and humor
- 878 Latin miscellany
- 879 Medieval and modern Latin

880 Greek literature

- 881 Greek poetry in general
See Dramatic, Epic and Lyric below.
- 882 Greek dramatic poetry
- 883 Greek epic poetry
- 884 Greek lyric poetry
- 885 Greek oratory
- 886 Greek letters
- 887 Greek satire and humor
For Comedies of Aristophanes see 882.
- 888 Greek miscellany
- 889 Medieval and modern Greek

890 Literature of minor languages

- 891 Minor Indo-European
- 892 Semitic
- 893 Hamitic
- 894 Scythian. Ural-Altaic. Turanian
Dravidian. Tamil. Finnish. Turkish.
- 895 Eastern Asiatic. Chinese
- 896 African
Excluding 893, Hamitic; 892, Semitic, etc., included in families above.
- 897 North American
- 898 South American
- 899 Malay-Polynesian and other

History

900 History. General works

901-909 all have *History in general* as their subject, but it is treated in these various forms. A periodical on English history goes with 942, not 905, which is only for periodicals on history in general.

- 901 Philosophy. Theories, etc. History of civilization
- 902 Compends. Chronologies. Charts. Outlines
For chronology as a science, see 529.
- 903 Dictionaries. Cyclopedias
- 904 Essays. Lectures. Addresses
- 905 Periodicals. Magazines. Reviews
- 906 Societies. Transactions. Reports
- 907 Education. Methods of teaching, writing, etc.
See also 371.
- 908 Polygraphy. Collected works. Extracts, etc.
- 909 Universal and general modern histories

910 Geografy and travels

Including Topografy, Maps, Antiquities, Descriptions, etc.
For map projection, see 526. See also 310 Statistics, 390 Customs and costumes.
For Directories, Guide books, Gazetteers, etc., of special countries or geographical sections, see under those sections, 914-919.

- 911 Historical. Growth and changes in political divisions, etc.
- 912 Maps, atlases, plans of cities, etc.
- 913 Antiquities, archeology, of special countries

See also 220 9, Biblical antiquities; 340, Legal antiquities; 571, Prehistoric archeology; 930, Ancient history; 390, Special customs.

913.3 Antiquities of ancient countries

- 31 China
- 32 Egypt
- 33 Judea
- 34 India
- 35 Medo-Persia
- 36 Kelts
- 37 Rome. Italy
- 38 Greece
- 39 Minor countries

Antiquities of modern countries

- 913.4 Europe
- .5 Antiquities of Asia
- .6 Africa
- .7 North America
- .8 South America
- .9 Oceanica

914 Travel in Europe

- .1 Scotland
- .15 Ireland
- .16 Ulster
- .17 Connaught
- .18 Leinster
- .19 Munster
- .2 England
- .21 London
- .29 Wales
- .3 Germany and Austria
- .31 Prussia and Northern Germany
- .36 Austria
- .37 Bohemia
- .38 Poland
- .39 Hungary
- .4 France
- .5 Italy
- .6 Spain
- .69 Portugal
- .7 Russia
- .8 Norway, Sweden and Denmark
- .81 Norway
- .82 Christiania
- .83 Christiansand. Bergen
- .84 Hamar. Thronhjelm. Tromsø
- .85 Sweden
- .86 Gothland
- .87 Svealand
- .88 Norrland
- .89 Denmark

914.9 Minor countries of Europe

- .91 Iceland. Faroe islands
- .92 Netherlands
- .93 Belgium
- .94 Switzerland
- .95 Greece
- .96 Turkey in Europe
- .97 Servia. Bulgaria. Montenegro
- .98 Roumania: Wallachia, Moldavia
- .99 Islands of Grecian archipelago

915 Travel in Asia

- .1 China
- .2 Japan
- .3 Arabia
- .4 India
- .5 Persia
- .6 Turkey in Asia
- .7 Siberia
- .8 Afghanistan, Turkestan, Baluchistan
- .9 Farther India

916 Travel in Africa

- .1 North Africa
- .2 Egypt
- .3 Abyssinia
- .4 Morocco
- .5 Algeria
- .6 North Central Africa
- .7 South Central Africa
- .8 South Africa
- .9 Madagascar. Mauritius

917 Travel in North America

- .1 Canada. British America
- .2 Mexico
- .28 Central America
- .29 West Indies

- 917.3 **United States**
- .4 **Northeastern or North Atlantic. New England**
- .41 Maine
- .42 New Hampshire
- .43 Vermont
- .44 Massachusetts
- .45 Rhode Island
- .46 Connecticut
- .47 New York
- .48 Pennsylvania
- .49 New Jersey
- .5 **Southeastern or South Atlantic**
- .51 Delaware
- .52 Maryland
- .53 District of Columbia
- .54 West Virginia
- .55 Virginia
- .56 North Carolina
- .57 South Carolina
- .58 Georgia
- .59 Florida
- .6 **South central or Gulf**
- .61 Alabama
- .62 Mississippi
- .63 Louisiana
- .64 Texas
- .65
- .66 Oklahoma. Indian Territory
- .67 Arkansas
- .68 Tennessee
- .69 Kentucky
- .7 **North central or Lake**
- .71 Ohio
- .72 Indiana
- .73 Illinois
- .74 Michigan
- .75 Wisconsin
- .76 Minnesota
- .77 Iowa
- .78 Missouri
- .79

917.8

Western or Mountain

Including general works on "the West."

- .81 Kansas
- .82 Nebraska
- .83 South Dakota
- .84 North Dakota
- .85
- .86 Montana
- .87 Wyoming
- .88 Colorado
- .89 New Mexico

.9

Pacific

- .91 Arizona
- .92 Utah
- .93 Nevada
- .94 California
- .95 Oregon
- .96 Idaho
- .97 Washington
- .98 Alaska
- .99

918

Travel in South America

- .1 Brazil
- .2 Argentine Republic. Patagonia
- .3 Chili
- .4 Bolivia
- .5 Peru
- .6 U. S. of Colombia. New Granada. Ecuador
- .7 Venezuela
- .8 Guiana
- .9 Paraguay. Uruguay

919

Travel in Oceanica and Polar regions

- .1 Malaysia
- .2 Sunda
- .3 Australasia
- .4 Australia
- .5 New Guinea
- .6 Polynesia
- .7 Isolated islands
- .8 Arctic regions
- .9 Antarctic regions

920 Biography

Collectiv biography, including biographic dictionaries, etc. is here group together under the main classes; e. g. collected lives of chemists or of botanists are 925; of sailors, 926; of actors, 927.

Individual biography includes autobiography, diaries, personal narratives, eulogies, etc. This is marked B in place of the class number and arranged by names of persons written about. For book numbers, see p. 17.

Collectiv by subjects

920.7 Collected biography of women

- | | |
|-----|-------------------------------------------|
| 921 | Philosophy |
| 922 | Religion. Clergy, missionaries, preachers |
| 923 | Sociology |
| 924 | Philology |
| 925 | Science |
| 926 | Useful arts |
| 927 | Fine arts |
| 928 | Literature |

Historians are put with authors in 928.

929 Genealogy and heraldry

- | | |
|----|---------------------------------------|
| .6 | Heraldry |
| .7 | Peerages, precedence, titles of honor |
| .8 | Coats of arms, crests |
| .9 | Flags |

930 Ancient history

To A. D. 476.

- | | |
|-----|-----------------|
| 931 | China |
| 932 | Egypt |
| 933 | Judea |
| 934 | India |
| 935 | Medo-Persia |
| 936 | Kelts |
| 937 | Rome. Italy |
| 938 | Greece |
| 939 | Minor countries |

Modern history

940 Europe

From the fall of Western Empire (Rome), A. D. 476.

- 941 Scotland
- 941.5 Ireland
 - .6 Ulster
 - .7 Connaught
 - .8 Leinster
 - .9 Munster
- 942 England

Period divisions

- | | | |
|-----|------------------------------------------------|----------------------|
| .01 | Anglo-Saxon. | B. C. 55-A. D. 1066. |
| | Including prehistoric, Roman, British, Danish. | |
| .02 | Norman. | 1066-1154. |
| .03 | Plantagenet. | 1154-1399. |
| .04 | Lancaster and York. | 1400-1485. |
| .05 | Tudor. | 1485-1603. |
| .06 | Stuart. | 1603-1714. |
| .07 | Hanover. | 1714-1837. |
| .08 | Victorian. | 1837- |

Geografic division

- .1 Middlesex. London
- .9 Wales
- 943 Germany and Austria
- 943.1 Prussia and northern Germany
- 943.6 Austria
 - .7 Bohemia, etc.
 - .8 Poland. Including the history before the division.
 - .9 Hungary, etc.
- 944 France
- 945 Italy
- 946 Spain
 - .9 Portugal
- 947 Russia

948 Norway, Sweden, and Denmark

- .1 Norway
- .2 Christiania
- .3 Christiansand. Bergen
- .4 Hamar. Throndhjem. Tromso
- .5 Sweden
- .6 Gothland
- .7 Svealand
- .8 Norrland
- .9 Denmark

949 Minor countries of Europe

- .1 Iceland. Faroe islands
- .2 Netherlands
- .3 Belgium
- .4 Switzerland
- .5 Byzantine empire and modern Greece
- .6 Turkey in Europe
- .7 Servia. Bulgaria. Montenegro
- .8 Roumania: Wallachia, Moldavia
- .9 Islands of Grecian archipelago

950 Asia

- 951 China
- 952 Japan
- 953 Arabia
- 954 India
- 955 Persia
- 956 Turkey in Asia See also 949.6.
- 957 Siberia
- 958 Afghanistan. Turkestan. Baluchistan
- 959 Farther India

960 Africa

- 961 North Africa
- 962 Egypt
- 963 Abyssinia
- 964 Morocco
- 965 Algeria
- 966 North Central Africa
- 967 South Central Africa
- 968 South Africa
- 969 Madagascar. Mauritius

970 North America

.1 Indians, Aborigines; .2 Lives of Indians; .3 Special tribes; .4 Special states; .5 Government relation and treatment; .6 Special subjects, Character, Civilization, Agriculture, etc.

See 371, Education; 572, Ethnology, 497, Languages.

971 Canada. British America.

972 Mexico. Central America

.8 Central America

.9 West Indies

973 United States and Territories

See also 342, Constitutional law and history; 328, Legislative bodies and annals; 329, Political parties.

Period divisions

- | | | |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| .1 | Discovery.
Norse, Spanish, Dutch, French, English | A. D. 896-1607. |
| .2 | Colonial.
French and Indian Wars. | 1607-1775. |
| .3 | Revolution and Confederation. | 1775-1789. |
| .4 | Constitutional Period. For U. S. Constitution, see 432.73.
Federalists and Republicans. See 329.1.
Washington, 1789-1797; John Adams, 1797-1801; Jefferson, 1801-1809. | 1789-1812. |
| .5 | War of 1812.
Hartford Convention. 1814.
Nullification in South Carolina. 1832.
Annexation of Texas. 1845. See also 976.4, Texas.
Madison, 1800-1817; Monroe, 1817-1825; John Quincy Adams, 1825-1829; Jackson, 1829-1837; Van Buren, 1837-1841; Harrison, 1841; Tyler, 1841-1845. | 1812-1845. |
| .6 | War with Mexico.
The Wilmot proviso. 1846.
Compromise of 1850.
Struggle in Kansas. 1854-1859. See also 978.1, Kansas.
Polk, 1845-1849; Taylor, 1849-1850; Fillmore, 1850-1853; Pierce, 1853-1857; Buchanan, 1857-1861. | 1845-1861. |
| .7 | Civil War. Abolition of slavery. Lincoln, 1861-1865. | |
| .8 | Later 19th century.
Reconstruction. Civil service reform. Spanish War.
Johnson, 1865-1869; Grant, 1869-1877; Hayes, 1877-1881; Garfield, 1881; Arthur, 1881-1885; Cleveland, 1885-1889; Harrison, 1889-1893; Cleveland, 1893-1897; McKinley, 1897-1901. | 1865—. |
| .9 | 20th century.
Roosevelt, 1901-1909; Taft, 1909- | |

974 Northeastern or North Atlantic. New England.

- .1 Maine
- .2 New Hampshire
- .3 Vermont
- .4 Massachusetts
- .5 Rhode Island
- .6 Connecticut
- .7 New York
- .8 Pennsylvania
- .9 New Jersey

975 Southeastern or South Atlantic

Including general works on "the South."

- .1 Delaware
- .2 Maryland
- .3 District of Columbia
- .4 West Virginia
- .5 Virginia
- .6 North Carolina
- .7 South Carolina
- .8 Georgia
- .9 Florida

976 South central or Gulf

- .1 Alabama
- .2 Mississippi
- .3 Louisiana
- .4 Texas
- .5
- .6 Oklahoma. Indian Territory
- .7 Arkansas
- .8 Tennessee
- .9 Kentucky

977 North central or Lake

- .1 Ohio
- .2 Indiana
- .3 Illinois
- .4 Michigan
- .5 Wisconsin
- .6 Minnesota
- .7 Iowa
- .8 Missouri
- .9

- 978 Western or Mountain
 Including general works on "the West,"
- .1 Kansas
 - .2 Nebraska
 - .3 South Dakota Including works on Dakota as a whole.
 - .4 North Dakota
 - .5
 - .6 Montana
 - .7 Wyoming
 - .8 Colorado
 - .9 New Mexico
- 979 Pacific
- .1 Arizona
 - .2 Utah
 - .3 Nevada
 - .4 California
 - .5 Oregon
 - .6 Idaho
 - .7 Washington
 - .8 Alaska

980 South America

- 981 Brazil
- 982 Argentine Republic. Patagonia
- 983 Chili
- 984 Bolivia
- 985 Peru
- 986 U. S. of Colombia. New Granada. Ecuador
- 987 Venezuela
- 988 Guiana
- 989 Paraguay. Uruguay

990 Oceania. Polar regions

- 991 Malaysia
- 992 Sunda
- 993 Australasia
- 994 Australia
- 995 New Guinea
- 996 Polynesia
- 997 Isolated islands
- 998 Arctic regions
- 999 Antarctic regions

RELATIV SUBJECT INDEX

HOW TO USE THIS INDEX

Find the subject wanted in its alfabetic place in the index. The number after it is its class number and refers to the place where the topic will be found, in numerical order of class numbers, on the shelves, shelf-lists or in the subject catalog, if used. All class numbers are decimal; e. g. 914.29 travel in Wales, comes before 914.3 travel in Germany, and both of them before 915 travel in Asia. Printed labels on the shelves or drawer fronts guide readily to the class number sought.

Under this class number will be found the resources of the library on the subject desired. Other adjoining subjects may often be profitably consulted; e. g. a description of Niagara Falls is wanted and the index refers to 917.47, but much on this topic is likely also to be found in 917.4 (travel in north Atlantic states) and even in 917.3 (travel in United States).

This index contains

in a single alfabet all subjects named in the tables, together with their synonyms and such other topics as are thought most likely to be needed by libraries using this abridgment.

If nothing is found under a number, it shows that the library does not yet possess any book on that topic.

It does not include

all names of places, minerals, plants, etc.; but gives only those used in these tables and a farther selection of the most common and useful. It is not a biografic dictionary, and gives **no names of persons** as biografic headings, but only such as appear in connection with some subject like literature or history.

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Burmah	history	959		of direction	analyt. geom. 516
Burmese architecture		722	Caledonia	history	941
Burning glass	optics	535	Calendar		529
	the dead	customs 393		ecclesiastical, Anglican	264
Burnings	customs of war	399	Calendering	paper manufacture	676
	student life	371		textil fabrics	677
Burns and scalds	surgery	617	Calico	manufactures	677
Burying grounds	cemeteries	719		printing, chemical technology	667
	public health	614	California, U. S.	history	979.4
Business arithmetics		511		travel	917.94
	buildings	architecture 725	Califs	Mohammedanism	297
	colleges	650	Caligrafs	writing machines	652
	commerce	sociology 380	Caligrafy	writing	652
	cooperation	334		manuscripts	091
	ethics	174	Calisthenics	hygiene	613.7
	manuals	658		school hygiene	371
	methods	658	Calmucks	history	950
Butchers		689	Caloric	engines	621
Butter	adulterations	614.3		physics	536
	artificial	chem. technology 664	Calorimeter		536
	dairy	637	Calvinism	sects	284
Butterflies		595		vs free will	dogmatics 234
Buttermilk	adulterations	614.3	Calvinistic confession		238
Buttons	manufacture	679	Calvinists' lives		922
Byzantine architecture		723	Cambistry	money	332
	art	709		metrology	389
	ecclesiology	246	Cambodian architecture		722
	empire	history 945.5	Cambria, Wales	history	942.9
Cab	manufactures	684	Cambrian age	geology	551
Cabalistic art		133		confession	238
Cabinet council, English		354	Camel	domestic animals	636
	making	684		zoology	599
	officers, U. S. gov't	353	Cameos		736
	work	joinery 694	Camera	photografy	771
Cable roads	city transit	388		lucida	microscopy 578
	road	engineering 625		optics	535
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		useful arts 654		photografy	771
Cables	manufactures	677	Cameralistic science		336
Cabs	city transit	388	Cameronians	sects	285
Cadets	military schools	355	Camfor	therapeutics	615
Cadmium	inorganic chemistry	546	Camp life	hygiene	613
Cædmon	Anglo-Saxon poetry	829		meetings	269
Caesar	Latin literature	878	Campaigns	political	329
Caesars	lives	923	Campbellism	sects	289
	Roman	history 937	Camping out		796
Caesium	inorganic chemistry	546	Camps, disinfec.	cont. disease	614
Cafés	architecture	725		hygiene	613
Cage birds	domestic pets	636	Canada	botany	581.9
Cairns	prehistoric archeology	571		geology	557.1
Calcium	inorganic chemistry	546		history	971
	light	chemical technology 665		religious history	277.1
Calculators	mathematics	510		statistics	317
Calculus	diseases	616		travel	917.

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Canary birds	care of	Carbonari	secret societies	366
	zoology	Carbonated waters	hygiene	613
isles	history	Carbonic acid, toxicology		615
Candles	chemical technology	Carboniferous age	geology	551
Candor	ethics	fossils		560
Candy	adulterations	Card catalog	library admin.	025
	making	playing	amusements	795
Cane, sugar	agriculture		ethics	175
	botany	system	literary methods	029
Cannel coal	economic geology	Cardiff giant	humbugs	133
Cannibalism	customs of war	Cardinals	ecclesiastical polity	262
Canning of fruits, meats, etc., chem.			lives	922
tech.	664		Roman church	282
Cannon	military engineering	Care of animals	animal hygiene	614
Canoes and canoeing	797		body, hygiene	613
Canon	law		school hygiene	371
	music		person customs	391
	of Scripture	Caribbean sea	travel	917.29
Canons, ecclesiastical polity	262	Caribbee islands	history	972.9
Cañons	rivers	Caricature	drawing	741
	of Colorado river descr.	Carillon	music	789
	917.91	Carlovingian cycle	legend	398
Cantata	dramatic music	Carmelites	monks	271
	sacred music	Carnivora	mammals	599
Canticles	Bible	Carnivorous plants	botany	581
Canvas roofing building	695	Carol	sacred music	783
Canvassing	bookselling	Carpentry		694
Caoutchouc	organic chemistry	Carpets	designing	745
	rubber manufacture		domestic economy	645
Capacity for knowing	mental facul.		manufacture	677
Cape Breton	history	Carposporeae, algae and fungi		589
	travel	Carriage making		684
Verd islands	history	Carrier pigeons	domestic birds	636
	travel	Carriers	law	347
Capillary attraction in plants		Cars	building	699
	of liquids		horse engineering	625
Capital and labor	331		railroad engineering	625
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Capitalists' lives	923	Carthaginian	architecture	722
Capitation-tax	336	Carthusian monks		271
Capitols	architecture	Cartography	maps, atlases, etc.	912
Caps, percussion, chemical technology	662	Cartoons		741
Captivities among the Indians	970.3	Cartridges	military science	623
Captivity	prison disciplin	Carving	dining	642
Captivs	international law		sculpture	736
	war customs	Casements	fortifications	623
Captures	international law	Cases	English syntax	425
Capuchins	religious history		law	American
Car-building	699			345
Caravans	transportation			English
Carbines	military engin'g			346
Carbolic acid	materia medica	Cashmere	history	954
	disinfectant pub. health		travel	915.4
Carbon	inorganic chemistry	Caspian Sea	travel	914.7
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Casting	foundries	671	Causes final	"	124	
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Castor and Pollux	mythology	292	Cavalry		357	
Castrametation	military science	355	Cavatina	music	784	
Casts		730	Cave men	prehistoric archeology	571	
Casualties, protec. from	pub. health	614.8		temples	Indian architecture	722
Casuistry	ethics	171	Caves	geology	551	
Catacomb symbols	ecclesiology	246		natural dwellings	571	
Catacombs	antiquities	913.37	Ceilings	architecture	721	
	cemeteries	719		arch. decoration	729	
	symbols	246	Celebes	history	991	
Catalan language		449	Celestial dynamics		521	
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Catalepsy		132	Celibacy	ethics	176	
Catalog dep't	library economy	025		hygiene	613	
Catalogers	library staff	023		of clergy	254	
Cataloging		025	Cells	biology	576	
Catalogs	author	018		histology	botany	581
	book publishers'	015			zoology	591
	college	378	Cellular confinement	prisons	365	
	dictionary	019		punishments	343	
	of individual authors	012		tissue, botany	581	
	countries	015	Celluloid	manufactures	679	
	subjects	016	Cellulose	botany	581	
	star maps	524	Celtic antiquities		913.36	
	stars	523		Druids, religion	299	
	subject	017		language	491	
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Cataracts	eye diseases	617		stone	archeology	571
	physical geography	551	Cements	building material	691	
Catarrh	diseases	616		manufacture	666	
Catch	vocal music	784		mineral, econ. geol.	553	
Catechisms		238	Cemeteries		719	
Caterer	domestic economy	641		earth burial	393	
Cathartics	therapeutics	615		effect on health	614	
Cathay	history	951		public health	614	
	travel	915.1	Cemetery chapels	architecture	726	
Cathedral canons	eccles. polity	262	Censors	sacred vessels	247	
	services	musical	Censorship of the press		323	
	system	ecclesiastical	Censuses	statistics	310	
Cathedrals	architecture	726	Cent-gram-second system	physics	530	
Catholic apostolic church		289	Centenarians	physiology	612	
	church	282	Centennial celebrations	see subject		
	epistles	Bible		exhibition, United States	606	
Catholicism and protestantism		282	Center of gravity	physics	531	
Catholics' lives	biography	922	Centipedes	zoology	595	
Cats	domestic animals	636	Central Africa, North	geology	556.6	
	diseases of	medicine		history	966	
Cattle		636		religious hist.	276.6	
	diseases	contag. hygiene		travel	916.6	
		vet. med.		South	geology	556.7
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Asia	history	958	Chance, games of amusements	795
	travel	915.8	ethics	175
Pacific railroad		385	natural theology	214
park		711	probabilities	519
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	U. S. gov.	353	Chancels ecclesiology	246
	political science	320	Chancery law	347
Centrifugal blowers	engineering	621	reports American law	345
	force physics	531	English law	346
	pumps engineering	621	Chances mathematics	519
Centripetal force	physics	531	Chandeliers	749
Cephalopoda	zoology	594	Change of air, hygiene	613
Ceramic productions	building	691	seasons	525
Ceramics	fine arts	738	Changes of blood respiration	612
	manufacture	666	Chant, Gregorian ecclesiology	246
Cereals	adulterations	614.3	Chants sacred music	783
	agriculture	633	Chapbooks	398
	botany	584	Chapels architecture	726
	trade in agric. products	338	Chaplains ministry	262
Cerebral poisons	therapeutics	615	Chapter-and-verse division Bible	220.1
Cerebration, unconscious		153	Character ethics	170
Cerebrospinal diseases		616	formation of	374
Ceremonies	customs	394	of reading	028
	religious ritual	264	Charades	793
Cerium	inorganic chemistry	546	Charcoal chemical technology	662
Certainty	knowledge	121	drawing	741
Certificates of	teachers	371	fuel	644
Cesium	inorganic chemistry	546	Charging systems libraries	025
Cetacea	zoology	599	Charitable associations	361
Ceylon	history	954	institutions	361
	travel	915.4	Charities and corrections	360
Chalcography, engraving		762	Charity ethics	177
Chaldea	ancient history	935	political economy	361
Chaldean architecture		722	schools	377
	philosophy	181	sisters of	271
	religion	299	Charlatanry quackery	133
Chaldee	language	492	Charlemagne, age of, European hist.	940
Chalices	sacred vessels	247	legends	398
Chalk	lithology	552	Charles 1	English history 942.06
	beds economic geology	553	2	" " 942.06
Challenger expedition, 1873-76		508.3	3	German history 943
Challenges	duels	394		Netherlands history 949.2
Chalukyan architecture		722		Spanish " 946
Chamber music		785	Charleston, S. C.	history 975.7
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Chameleon	zoology	598	Charters of cities	352
Champagne	chemical technology	663	Chartism Eng. constitut. history	342
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Chateaux	architecture	728		diseases of 618
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Cheating	ethics	174		games of out-door 796
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Checkers		794		moral care for 377
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	commercial law	347	Chili	botany 581.9
Cheers	college	371		geology 558.3
Cheese	adulterations	614.3		history 983
	dairy	637		religious history 278.3
Chelonia	reptils	598.1		statistics 318
Chemical	affinity	541		travel 918.3
	analysis	543	Chiliasm	millennium 236
	apparatus	542	Chimes of bells	music 789
	equations	541	Chimneys	heating 697
	fire extinguishers	614.8		masonry 693
	industries	660	China	antiquities 913.31
	jurisprudence law	340		botany 581.9
	laboratories	542		geology 555.1
	manipulation	542		history, ancient 931
	manufacture	661		modern 951
	nomenclature	541		religion, Christian 275.1
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	technology	660	ware	fine arts 738
Chemistry		540		useful arts 666
	agricultural	631	Chinese architecture	722
	analytic	543		art 709
	and natural religion	215		immigration 325
	applied to the arts	660		labor polit. economy 331
	economic zoology	591		language 495
	industrial chem. tech.	660		literature 895
	inorganic	546		philosophy 181
	legal law	340		religion 299
	medical materia med.	615	Chirography	penmanship 652
	of poisons chem. analysis	543	Chiromancy	palmistry 133
		615	Chiroptera	mammals 599
	toxicology	615	Chivalry	age of Europ. hist. 940
	organic	547		customs 394
	physiologic	612	Chloral	temperance 178
	zoology	591		therapeutics 615
Chemists' lives	biografy	925	Chlorin	inorganic chemistry 546
Chess	amusements	794	Chloroform	therapeutics 615
	ethics	175	Chlorofyll	botany 581
Chicago, Ill.	history	977.3	Chlorosis	diseases 616
	travel	917.73	Chocolate	adulterations 614.3
Chicken-pox	diseases	616		manufactures 663
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Choir music	783	Chronograf astronomy	522
Cholera diseases	616	Chronologies history	902
public health	614	Chronology astronomy	529
Choral service sacred music	783	Biblical Bible	220.9
Chorus " "	783	Chronometer astron. instr.	522
vocal "	784	longitude determ.	525
Chrestomathy English language	428	manufacture	681
Christ doctrinal theology	232	Church	260-289
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Christening baptism	265	education	377
customs	392	state eccl. polity	261
Christian apologetics	239	ethics	172
architecture eccles.	726	political science	322
medieval	723	Apostolic	281
art	247	architecture	726
associations	267	attendance	264
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life personal religion	248	furniture	247
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sects	280	music	783
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Christania, Norway history	948	Scotland presbyterian	285
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Christianity evidences	239	primitiv	270
history	270-289	rates clerical support	254
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Christiansand, Norway history	948.3	sacraments	265
travel	914.83	schools	377
Christmas customs	394	sects	280
festival sacred music	783	services public worship	264
Christology doctrinal theology	232	Slavonic language	491
Chromatic aberration optics	535	sociology	322
scale theory of music	781	unity	280
Chromatics optics	535	vestments	247
Chromatography	752	work	260
Chromium economic geology	553	yards. cemeteries	719
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Chromolithography	764		

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Churches	burials in	public health	614	Civil pensions	administration	351
	hygiene		613		procedure law	347
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Cider	chemical	technology	663		municipal gov't	352
Cifer writing			652		officials, lives	923
Cilicia	ancient history		939		reform admin.	351
	modern	"	956		U. S. hist.	973.8
	travel		915.6	trials		347
Cincinnati, O.	history		977.1	war	ethics	172
	travel		917.71		slavery	326
Cincinnati	society of		369		U. S. history	973.7
Cinematics	mechanics		531	Civility	ethics	177
Cinerary urns, treatment of the dead			392	Civilization and the church		261
Circle	German local gov't		352		history	901
	sailing, great navig.		527		philosophy of	901
Circuit court reports, U. S.			345		primativ	571
Circulating libraries			027	Claims against governments		336
Circulation and blood, physiology			612		U. S. court of history	347
	in animals	zoology	591		reports	345
	plants	botany	581	Clairvoyance		134
	money		332	Clans	political science	321
	oceanic	ocean currents	551		Scottish history	941
Circulatory system	anatomy		611	Clarinet	wind instruments	788
Circumcision			392	Class feeling	ethics	177
Circumnavigations			910	meetings	public worship	264
Circumstantial evidence	law		347	reunions	colleges	378
Circuses	amusements		791		student customs	371
	ethics		175	system	suffrage	324
Cistercian monks			271	Classes, school		371
Cisterns	rural water supply		628	Classical antiquities		913.38
Cités ouvrières, architecture			728		biograpy	920
Cities	administration		352		education	375
	ancient	description	913.3		geograpy	912
	buried	"	913.3		literature, Greek	880
	free, German gov't		354		Latin	870
	growth of, administration		352		mythology	292
	health of		614		philology	Greek lang. 480
	plans of		912		Latin	" 470
	sanitation		628		schools, private, educ.	373
Citizens, duties of	ethics		172		public	" 379
Citizenship	law		347	Classics	Greek literature	880
City governments, administration			352		Latin	" 870
	halls	architecture	725	Classification of animals	zoology	590
	houses	"	728		books lib. econ.	025
	mortality	public health	614		chemistry	541
	transit	sociology	388		diseases	medicin 616
Civil authority	local government		352		knowledge	method-
	engineering		620		ology	112
	government and the church		322		languages	philology 401
		ethics	172		library	025
		relig.	261		philosophy	112
	polit. science		320		plants	botany 580
law			349		sciences	nat. sci. 501
liberty	political science		323	Clast catalogs	bibliograpy	017
lists			351		lib. adm.	025

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Clay	chemical technology	666	Club foot	surgery	617
	petrography	552	houses	architecture	728
Clays, brick, fire, potters'	geology	553	libraries		027
Cleanliness	hygiene	613	Clubs, literary, education		374
Clearing house, banking		332	social		367
Cleavage	crystallography	548	Clusters and nebulae	stars	523
	geology	551	Cnidaria	zoology	593
Clemency	ethics	179	Coach building	carriage making	684
Clementines	apocrypha	229	Coaching	amusements	798
Cleopatra's needle	monuments	718	business		656
Clepsydra	chronology	529	Coal, economic geology		553
Cleptomania	derangements	132	fuel	chemical technology	662
Clergy, benefit of	legal antiquities	340	domestic economy		644
canon law		348	metallurgy		669
celibacy of	ethics	176	gas	domestic lights	644
	pastoral theol.	254	heating		697
ethics		174	illuminating gas		665
holy orders		262	mineralogy		549
lives of		922	mining		622
pastoral work		250	oil	chemical tech.	665
Clerical support		254	domestic lights		644
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Cleveland, G.	presidency of	973.8	mineralogy		549
Cleveland, Ohio	history	977.1	tar colors	chemical technology	667
travel		917-71	products	" "	668
Cliff dwellings, prehistoric arch.		571	Coalescence		617
Climacterics	physiology	612	Coast changes, erosion		551
vital statistics		614	defense, military eng.		623
Climate, effects of	diseases	616	pilot		556
therapeutics		615	survey, U. S.	geodesy	526
hygiene		613	tides		525
influence on man		573	Coasting	sports	796
meteorology		551	Coats of arms, heraldry		929.8
seasons		525	Cobalt	inorganic chemistry	546
Climatology	contagious diseases	614	ores	economic geology	553
physical geography		551	Coca	hygiene	613
Climbers	birds	598	Cocain	therapeutics	615
Climbing plants	habits	581	Cochin China, French	history	959
Clinics	medical education	610	Cochineal	dyeing	667
Clippings	literary methods	029	Cock-fighting	sports	791
Clock, sidereal		522	ethics		175
Clock-making		681	Cocoa	adulterations	614.3
Clocks	chronology	529	manufacture		663
Cloisterd nuns		271	Cocoon	silkworms	638
Close communion	baptists	286	Cod fishery	fishing	639
sacrament		265	Code Napoleon	French law	349
Closet, earth	sanitary engineering	628	Codes, American law		345
water	air pollution	614	Codices	Bible mss	220.4
sanitary engineering		628	Codification of law	U. S. law	345
Cloth	manufactures	677	Coeducation		376
Clothes-making		687	of races		371
Clothing	domestic economy	646	Coelenterata	zoology	593
hygiene		613	Coffee	adulterations	614.3
of laboring classes		331	agriculture		633

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Coffee	botany	583	Collegiants	sects	284
	domestic economy	641	Collegiate education	women	376
	houses customs	394	Collieries	mining eng.	622
	hygiene	613	Collodian process	photografy	772
	stimulants	615	Colombia, So. Am.	geology	558.6
Coffer-dams	river engineering	627		history	986
Coffins	burial customs	393		religious hist.	278.6
	perishable pub. health	614		travel	918.6
Cog wheels	mech. eng.	621	Colonial history, U. S.		973.2
Cognition	metaphysics	126		law English statutes	346
Cohesion	physics	539		system, political science	325
Coils	electricity	537	Colonies	" "	325
Coinage	political economy	332	Colonization, African		325
Coins	numismatics	737		history of Africa	960
Coke	chemical technology	662		political science	325
	fuel, domestic econ.	644	Colonnades	architectural design	729
	metallurgy	669		walls	721
Cold baths	hygiene	613	Color blindness	eye diseases	617
	drinks "	613		in man natural hist. of man	573
	exposure to, protection of life	614.8		plants botany	581
	physics	536		of animals zoology	591
Colds	catarrh	616		optics	535
Colenso controversy	pentateuch	222		painting	752
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